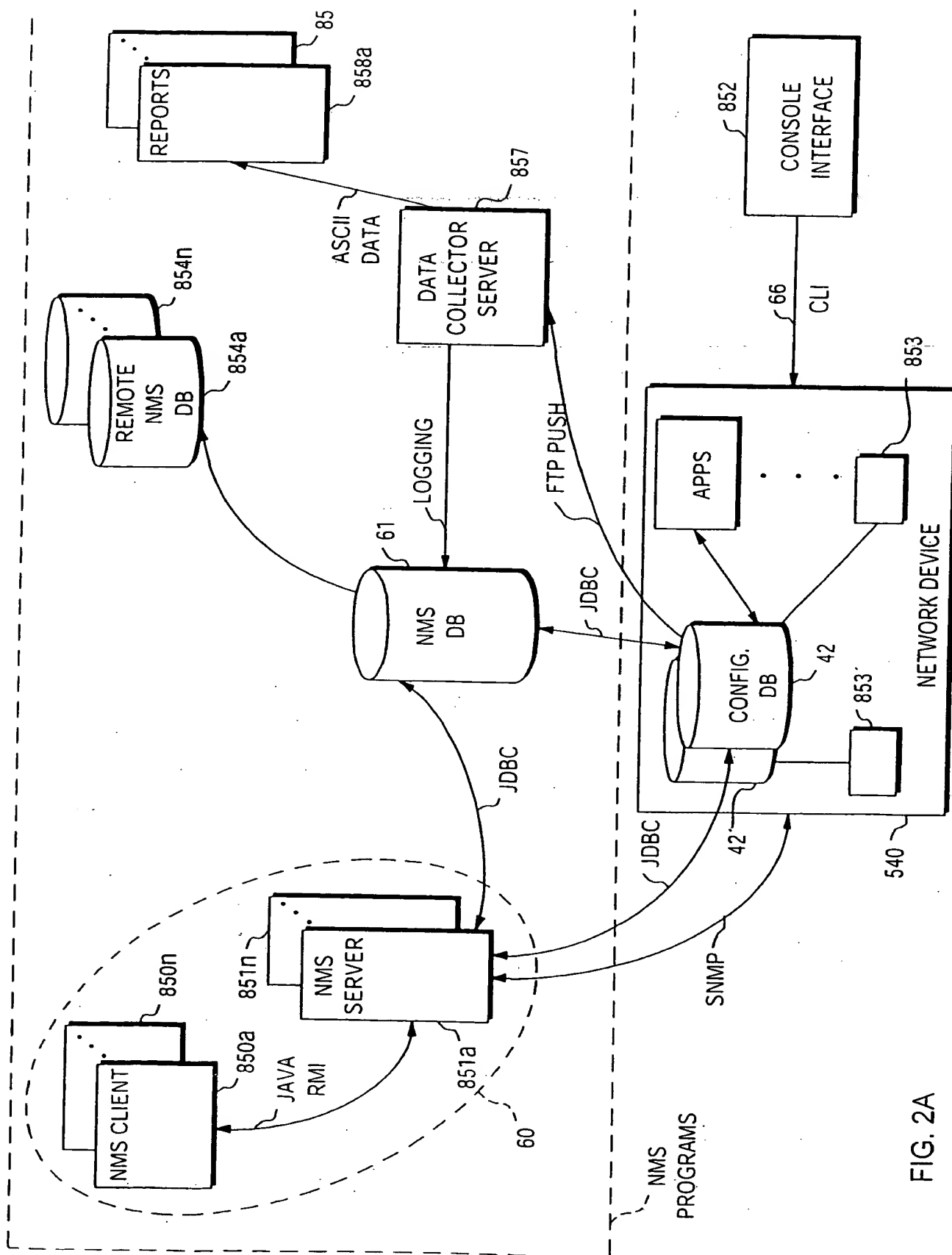


FIG. 1

BEST AVAILABLE COPY
BEST AVAILABLE COPY



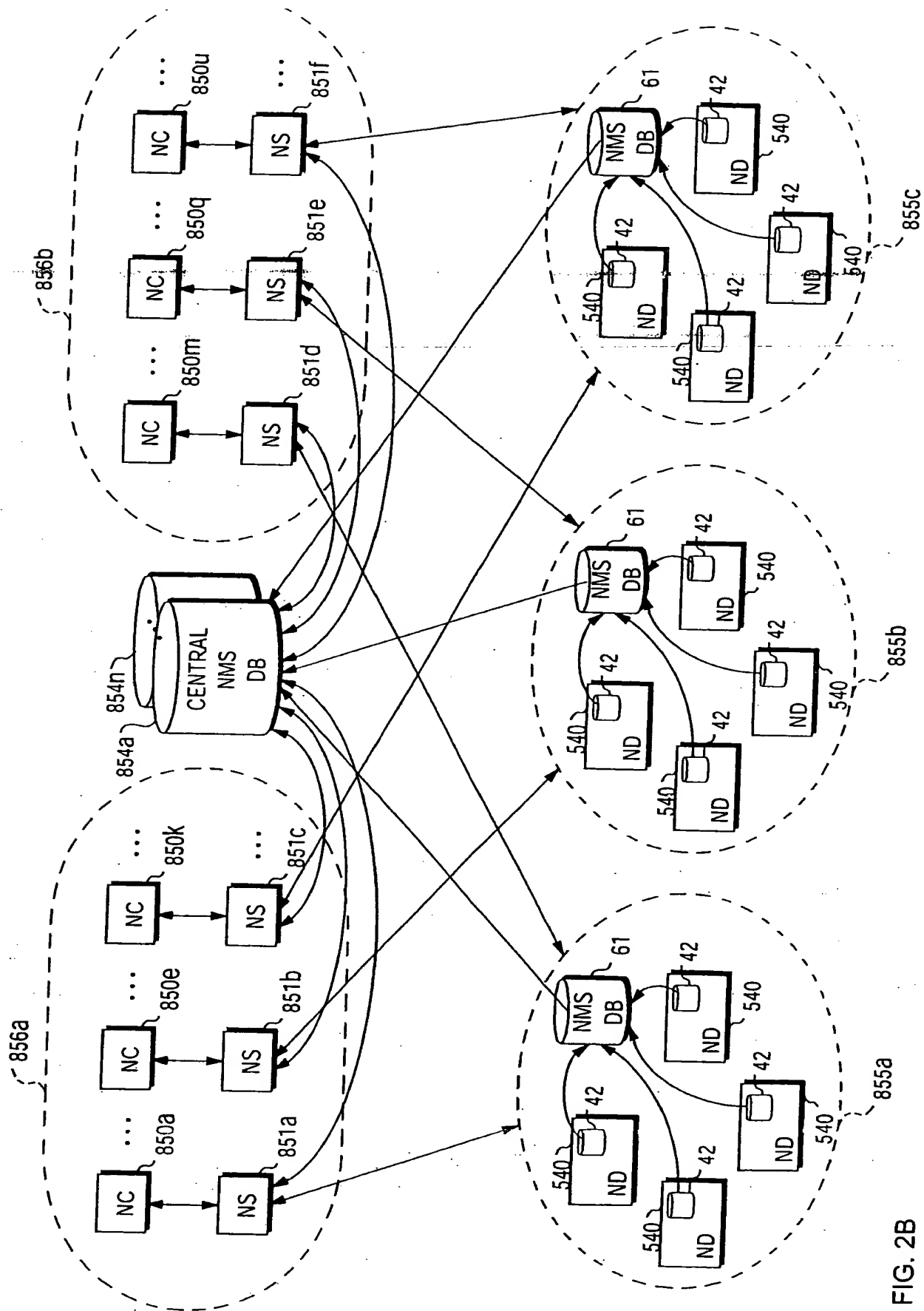


FIG. 2B

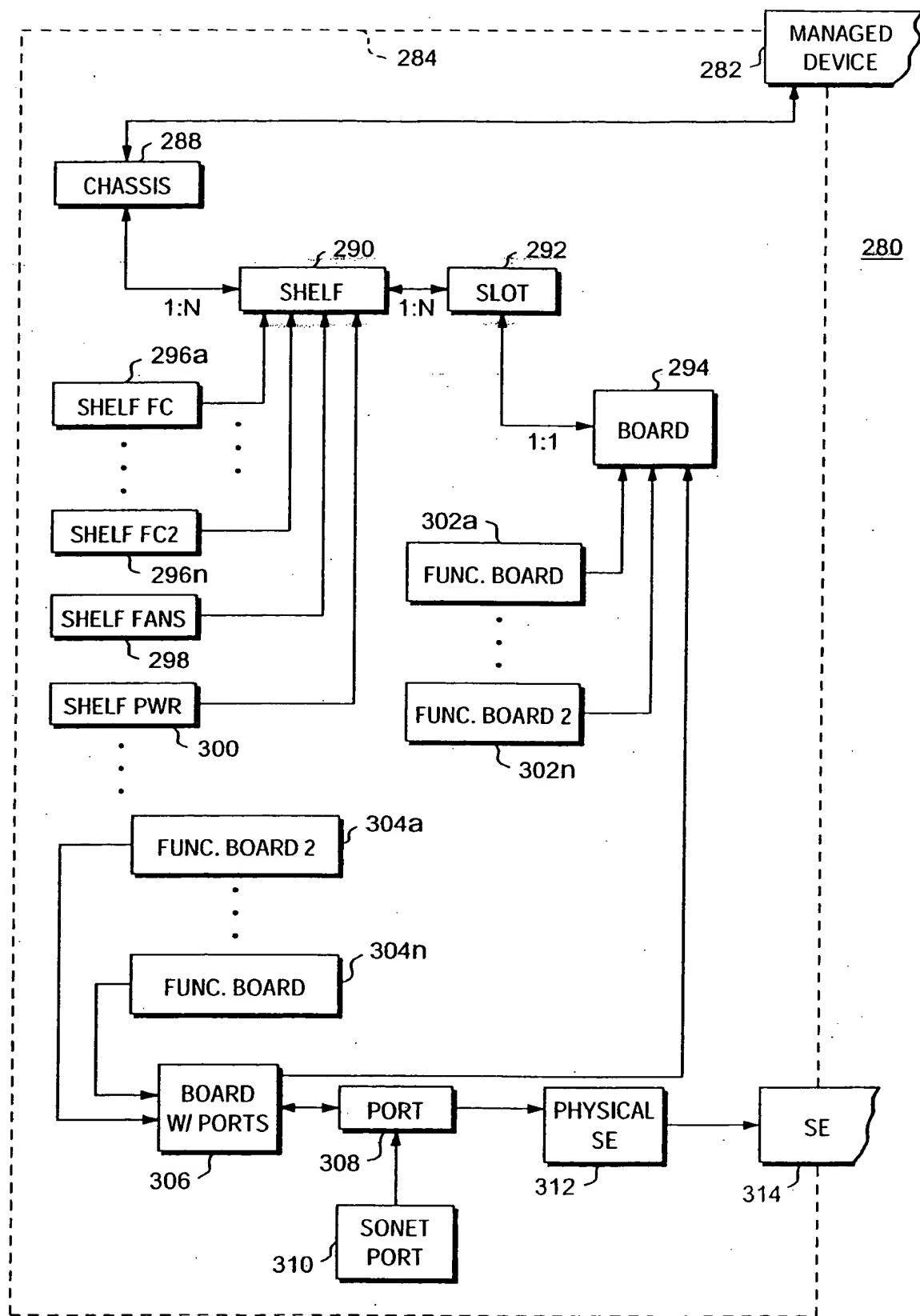
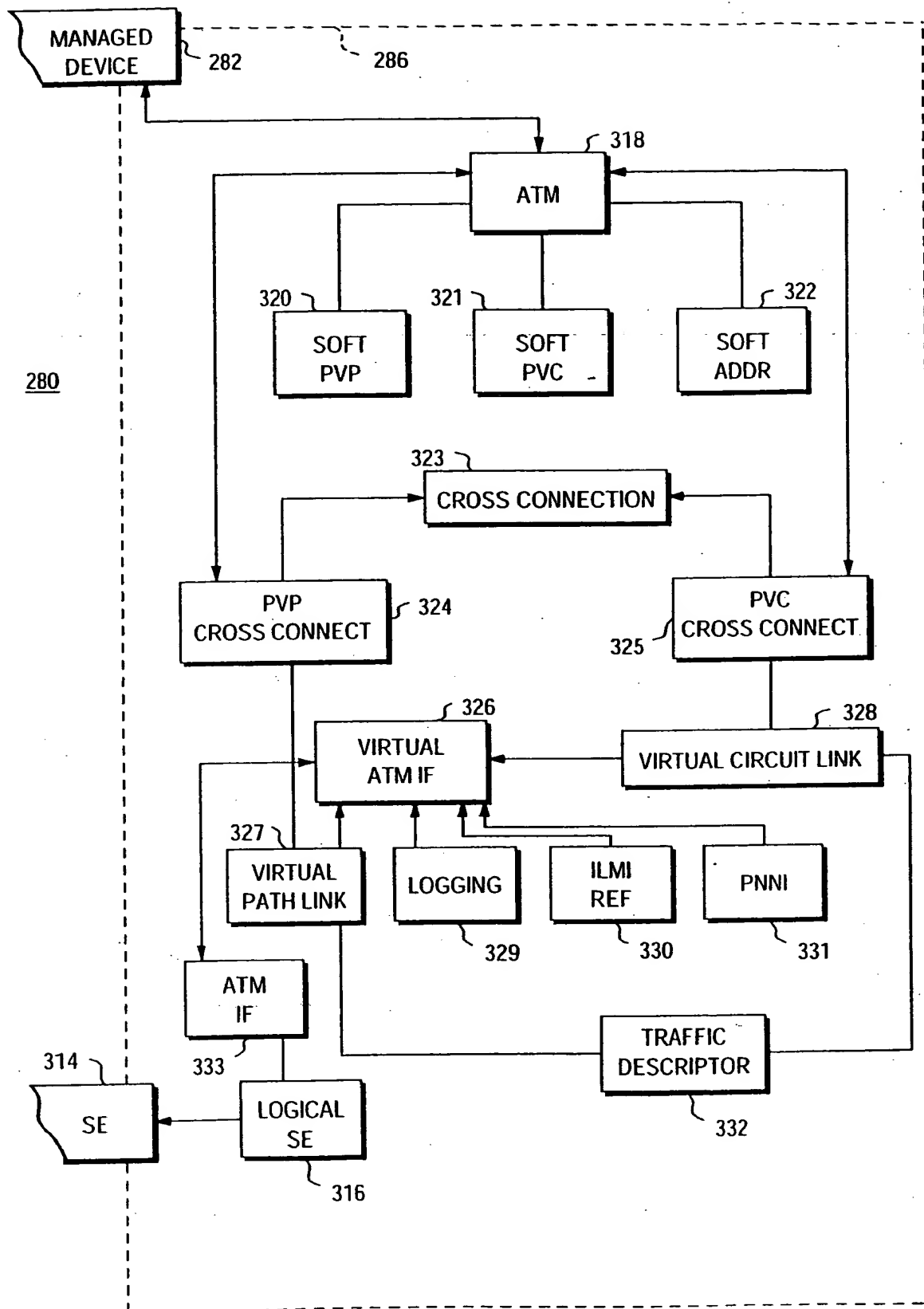


FIG. 3A



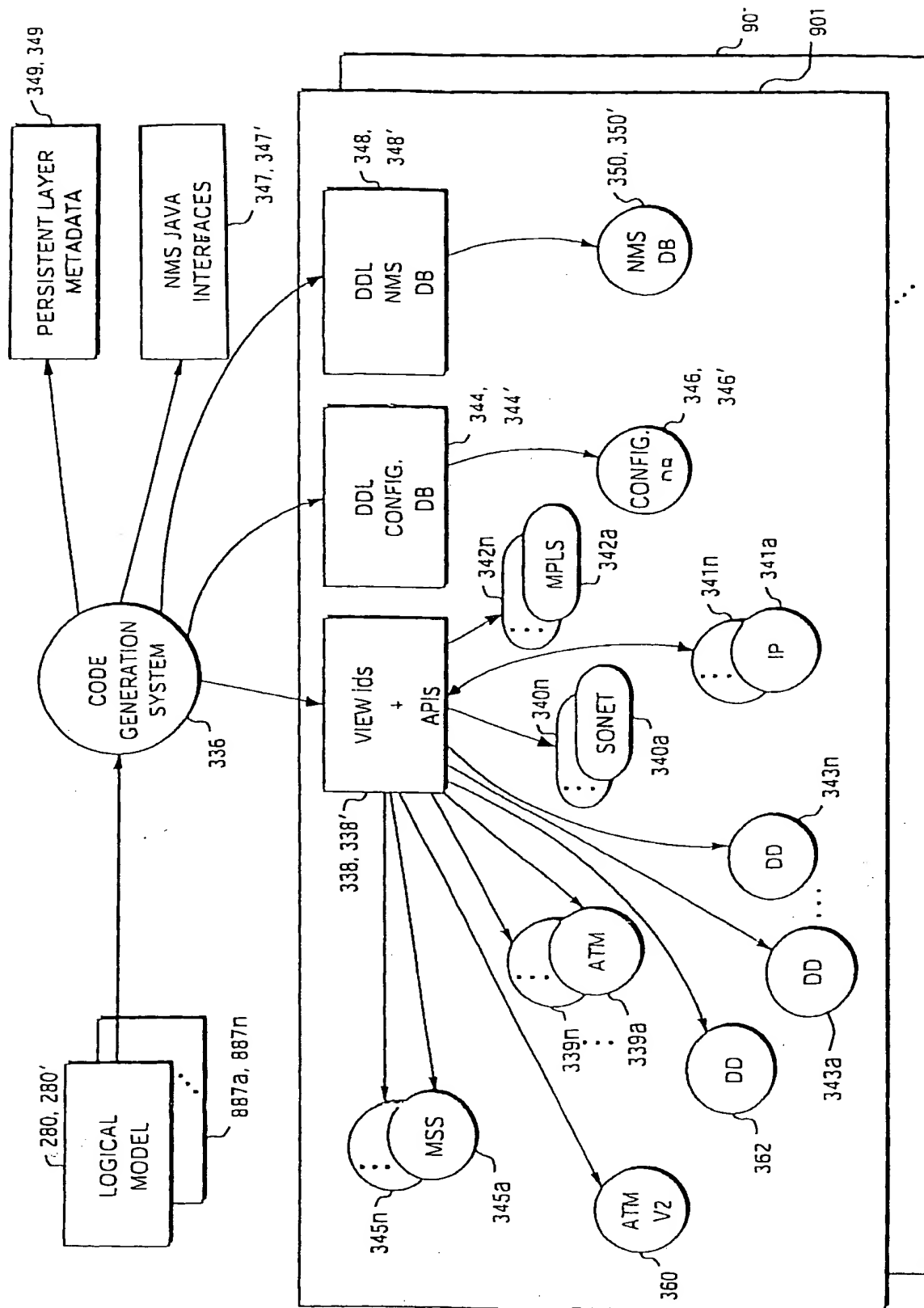


FIG. 3b

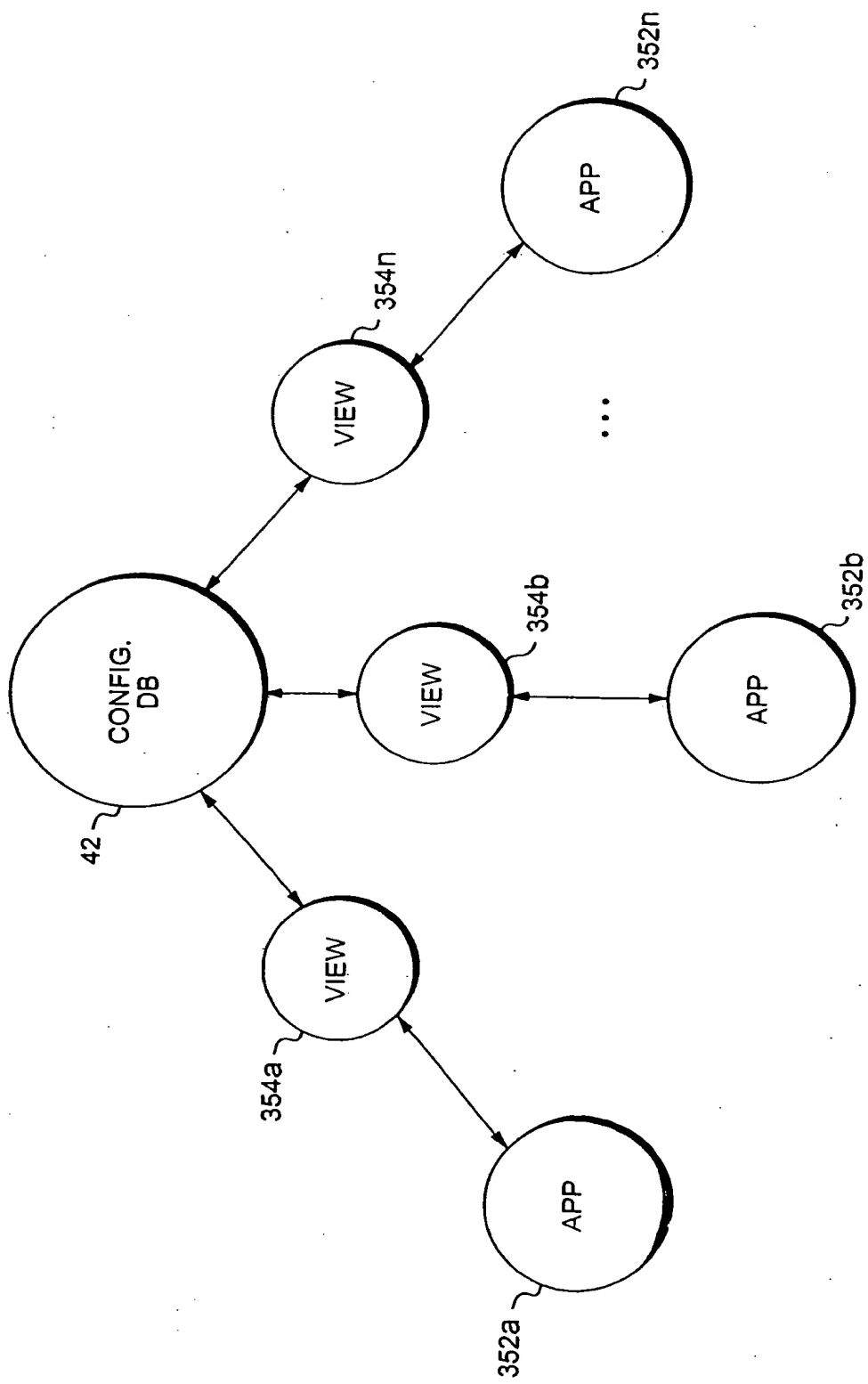


FIG. 3C

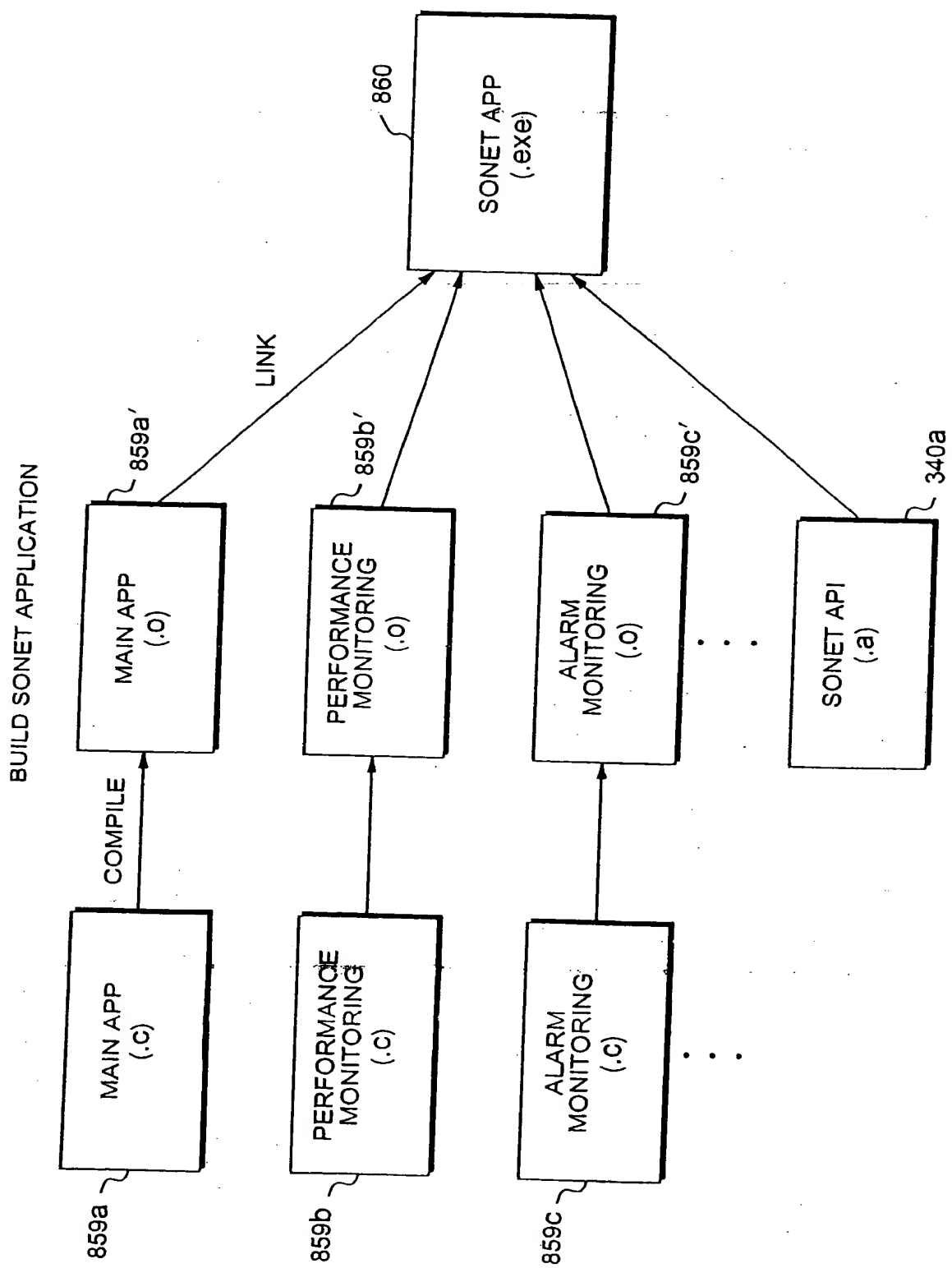


FIG. 3D

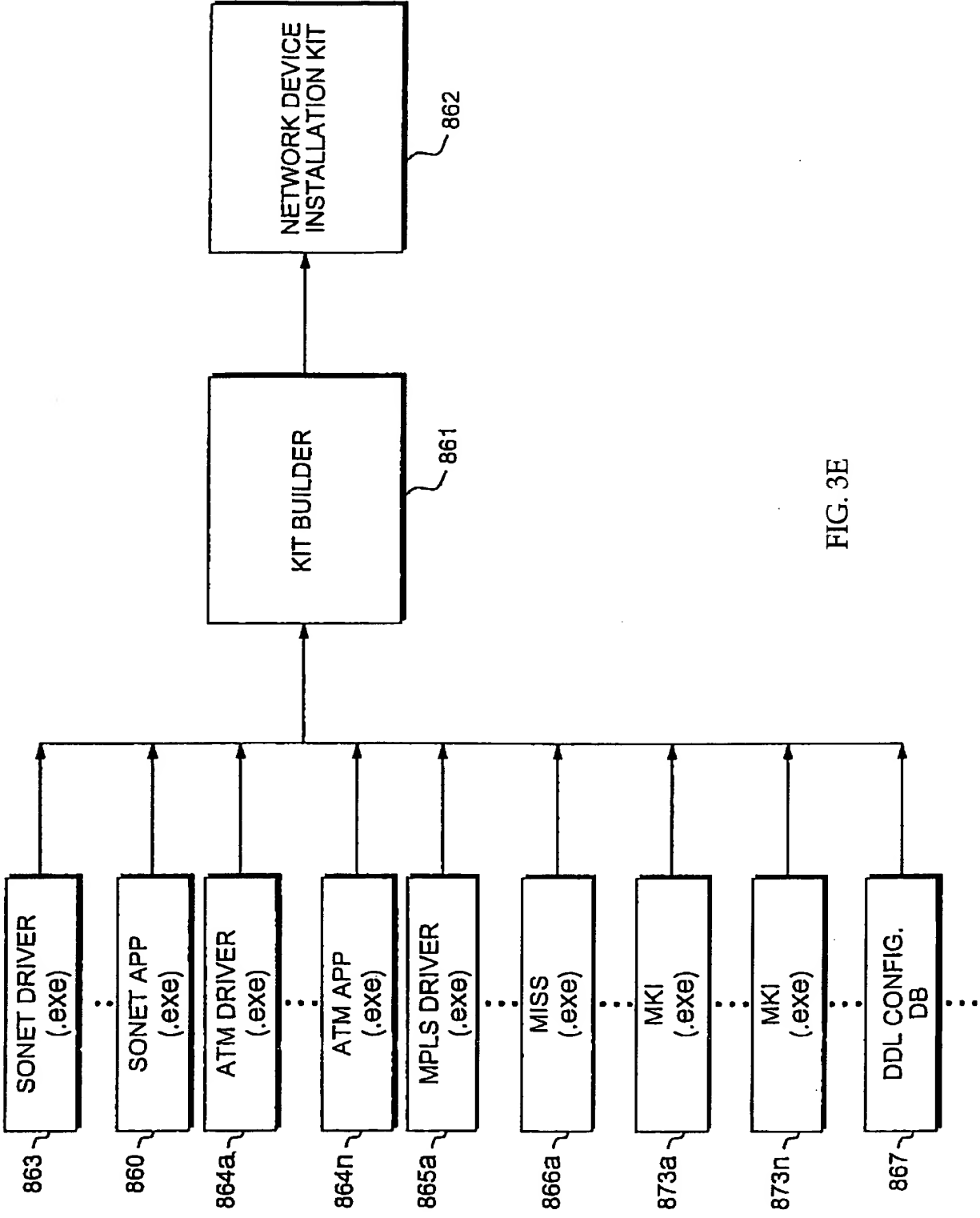


FIG. 3E

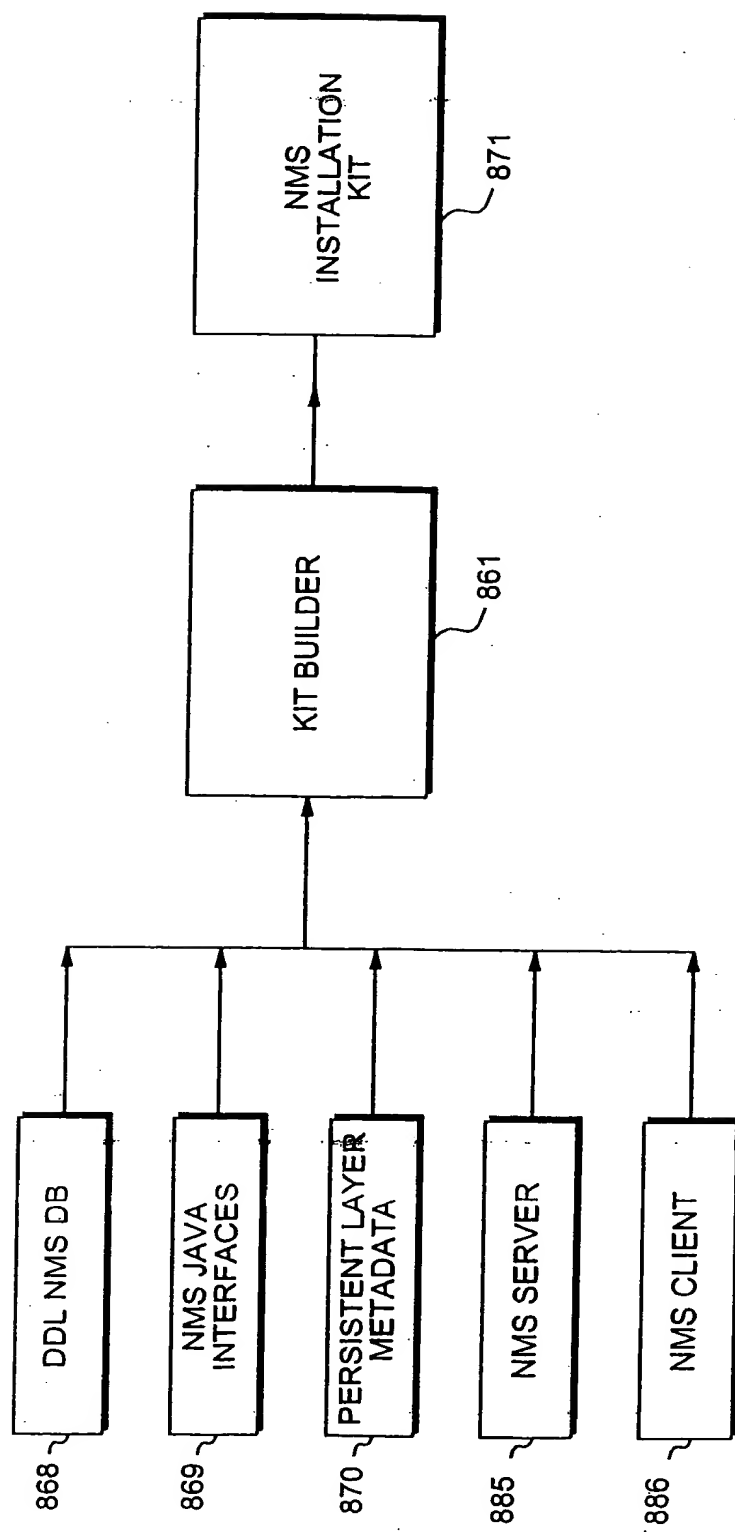


FIG. 3F

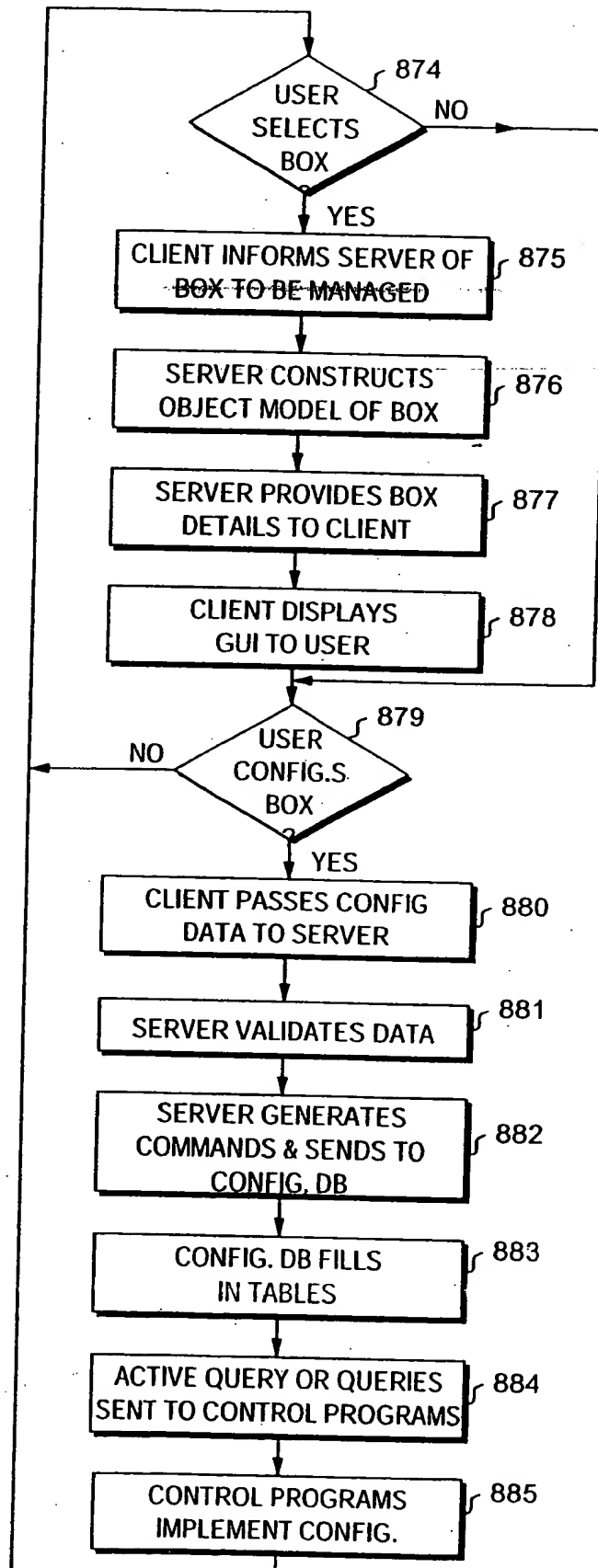


FIG. 3G

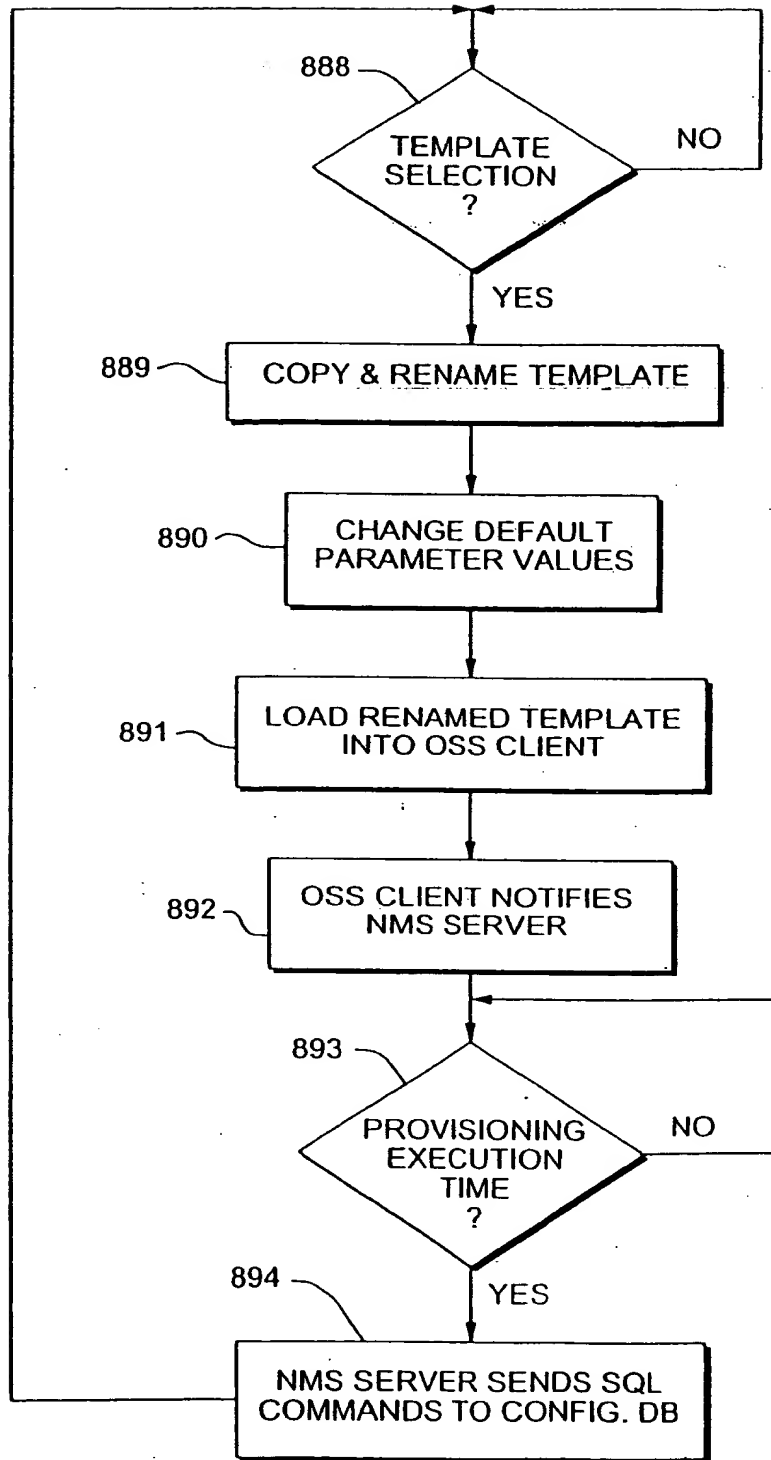


FIG. 3H

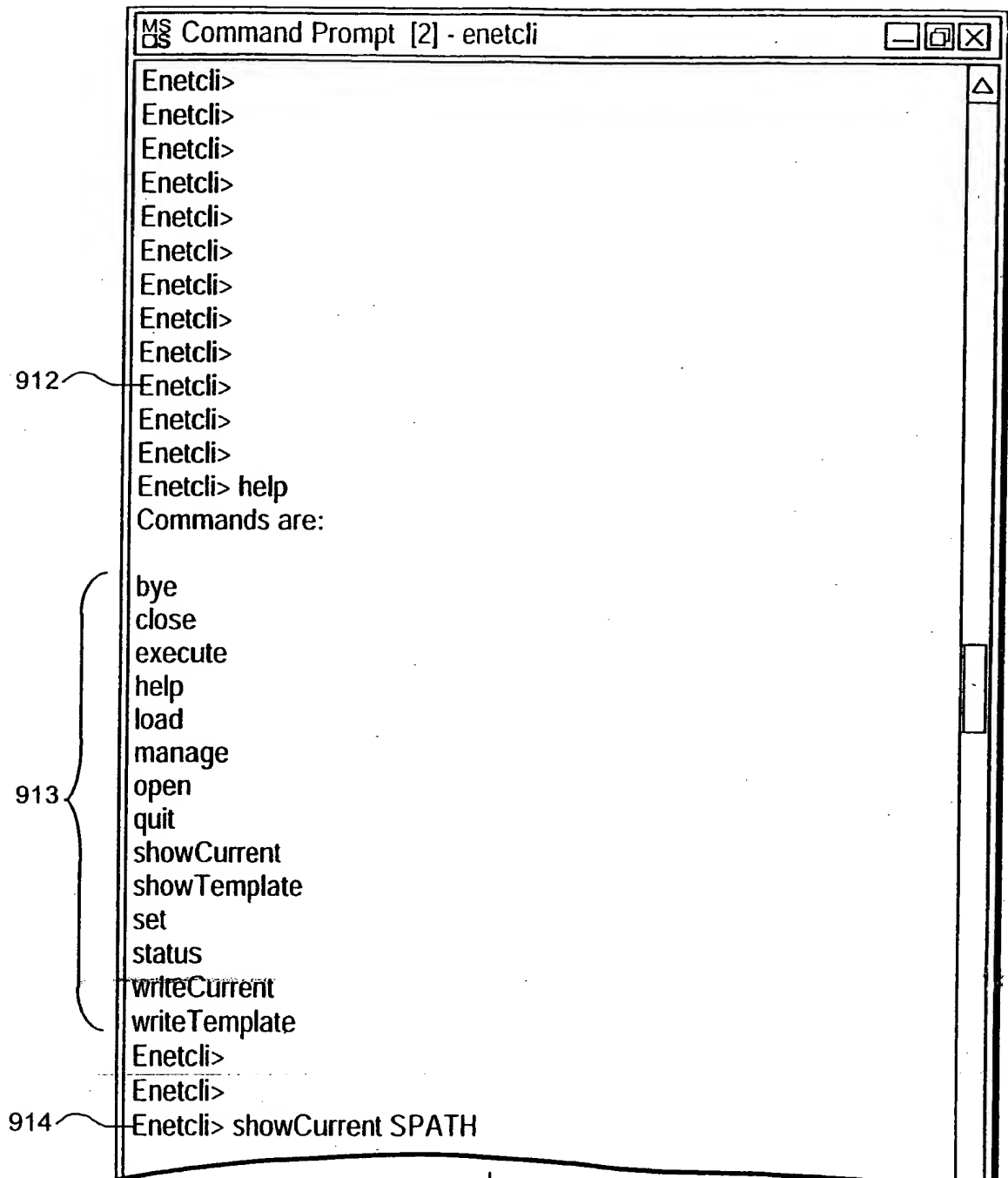


FIG. 3I CONTINUED

FIG. 3I

FROM FIG. 31

```
915 { ATMIfName=ATMIf11/1/1
      Concatenated=false
      Name=Path11/1/1
      Operant=SPATH
      Operator=Create
      PortID=1
      Position=1
      Service=ATM
      ShelfID=11
      SlotID=1
      Type=Terminated
      Version=V1_1_0_0
      Width=STS3
      Enetcli>
      Enetcli>
      Enetcli>
916 { Enetcli> showTemplate SPATH
      ATMIfName=<String>[TerminatedOnly]
      Concatenated=<true:false>
      Name=<String>
      Operant=SPATH
      Operator=<Create:Replace:Update:Delete>
917 { PortID=<Integer><1-16>
      Position=<Integer>
      Service=<None :ATM>
      ShelfID=<11[top], 13[bottom]>
      SlotID=<Integer><1-8>
      Type=<switched :Terminated>
      Version=V1_1_0_0
      Width=<STS1:STS3:STS12:STS48>
      Enetcli>
      Enetcli>
918 { Enetcli> status
919 { Not currently connected to server
920 { Supporting templates: CONTROL, PVC, SPATH, SPVC,TD, and VAIF
      Enetcli>
```

FIG. 31 CONTINUED

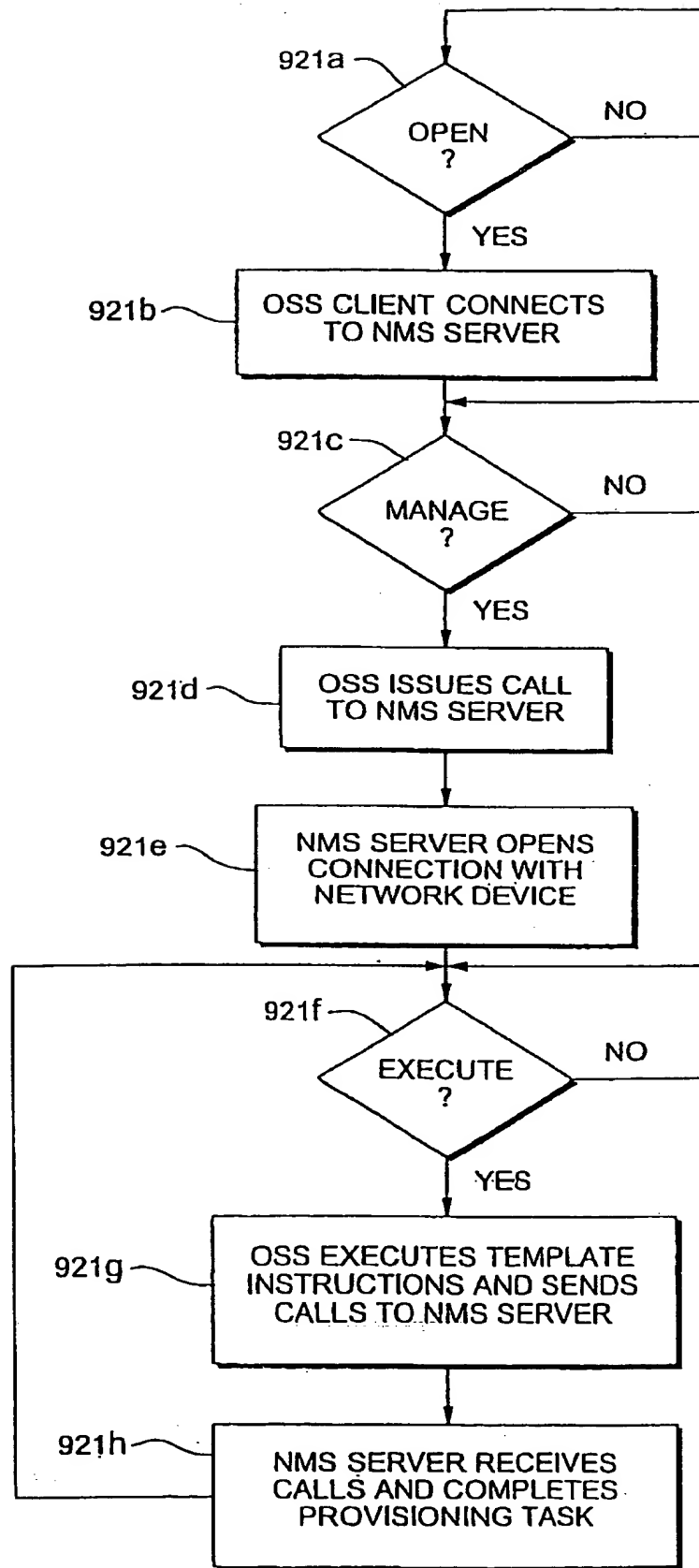


FIG. 3J

```
MS Command Prompt [2] - enetcli
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
Enetcli>
922 Enetcli> showCurrent CONTROL
input=Q:\nms\com\equipecom\nms\utils\enetcli
Interactive=false
Operant=CONTROL
923d Operator=Manage
923f Output=Q:\nms\com\equipecom\nms\utils\enetcli
923c Password=None
923e System=192.168.9.202
923b User=None
923g Version=V1_1_0_0
923a Server=localhost
Enetcli>_
```

FIG. 3K

BATCH

924



Operant=BATCH

Operator=Execute

Version=V1_1_0_0

924a ~ TASK1=execute-SPATH

924b ~ TASK2=execute-PVC

924c ~ TASK3=execute-SPVC

924d ~ TASK4=load-SPVC-spvc1

924e ~ TASK5=execute-SPVC

924f ~ TASK6=load-SPVC-spvc2

924e ~ TASK7=execute-SPVC

.

.

924g ~ TASK50=set-SPATH-PortID-3

924h ~ TASK51=execute-SPATH

924i ~ TASK52=set-SPATH-SlotID-2

924j ~ TASK53=execute-SPATH

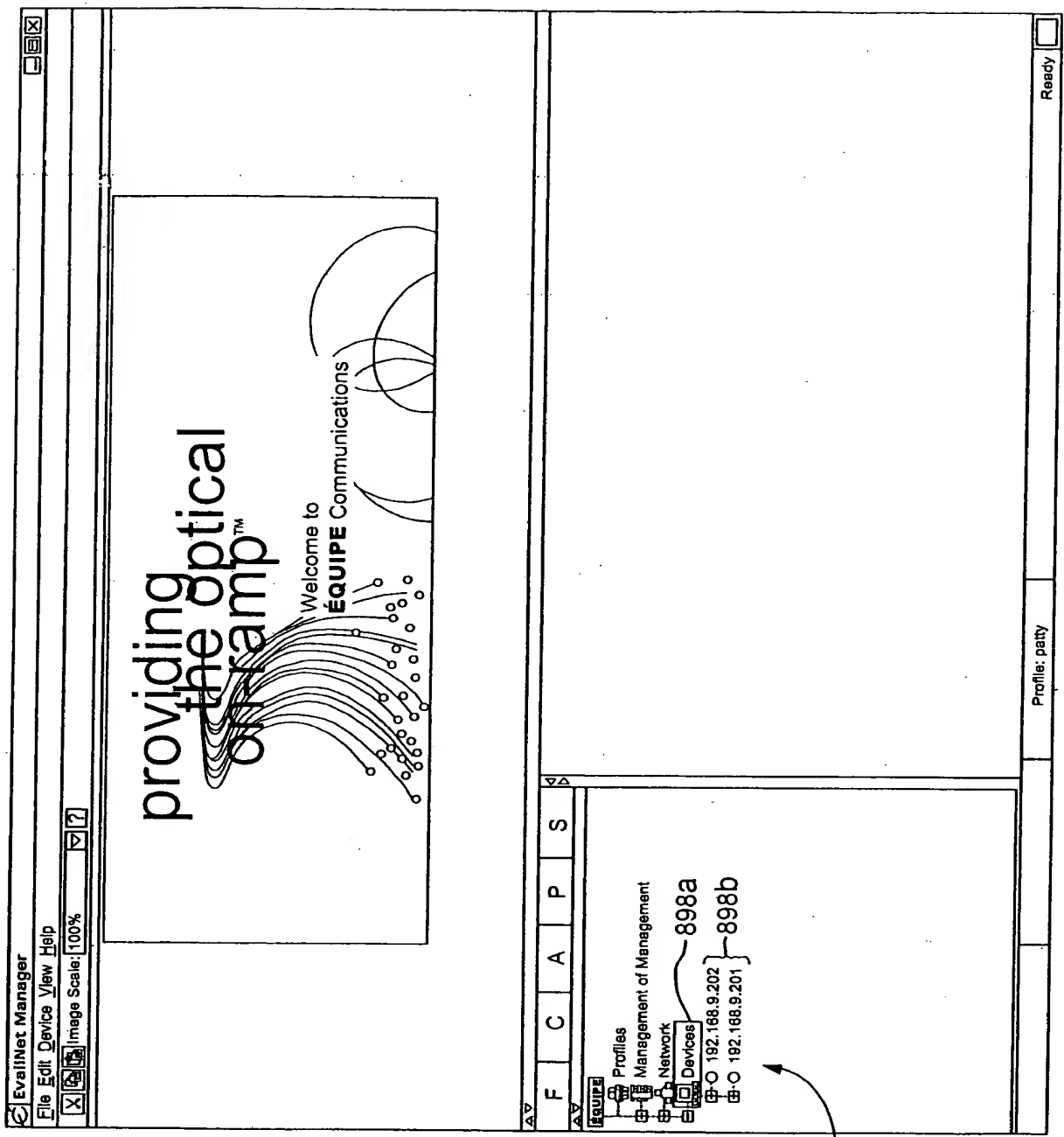
FIG. 3L

925

Operant=BATCH
Operator=Execute
Version=V1_1_0_0
925a ~ TASK1=execute-CONTROL
925b ~ TASK2=execute-SPATH
925c ~ TASK3=set-SPATH-PortID-3
925d ~ TASK4=execute-SPATH
.
.
925e ~ TASK61=set-CONTROL-System-192.168.9.201
925f ~ TASK62=execute-CONTROL
925g ~ TASK63=execute-SPATH
.
.
925h ~ TASK108=close
925i ~ TASK109=set-CONTROL-Server-Server1
925j ~ TASK110=set-CONTROL-System-192.168.8.200
925k ~ TASK111=execute-CONTROL
925l ~ TASK112=execute-SPATH
.
.
.

FIG. 3M

895



898

FIG. 4A

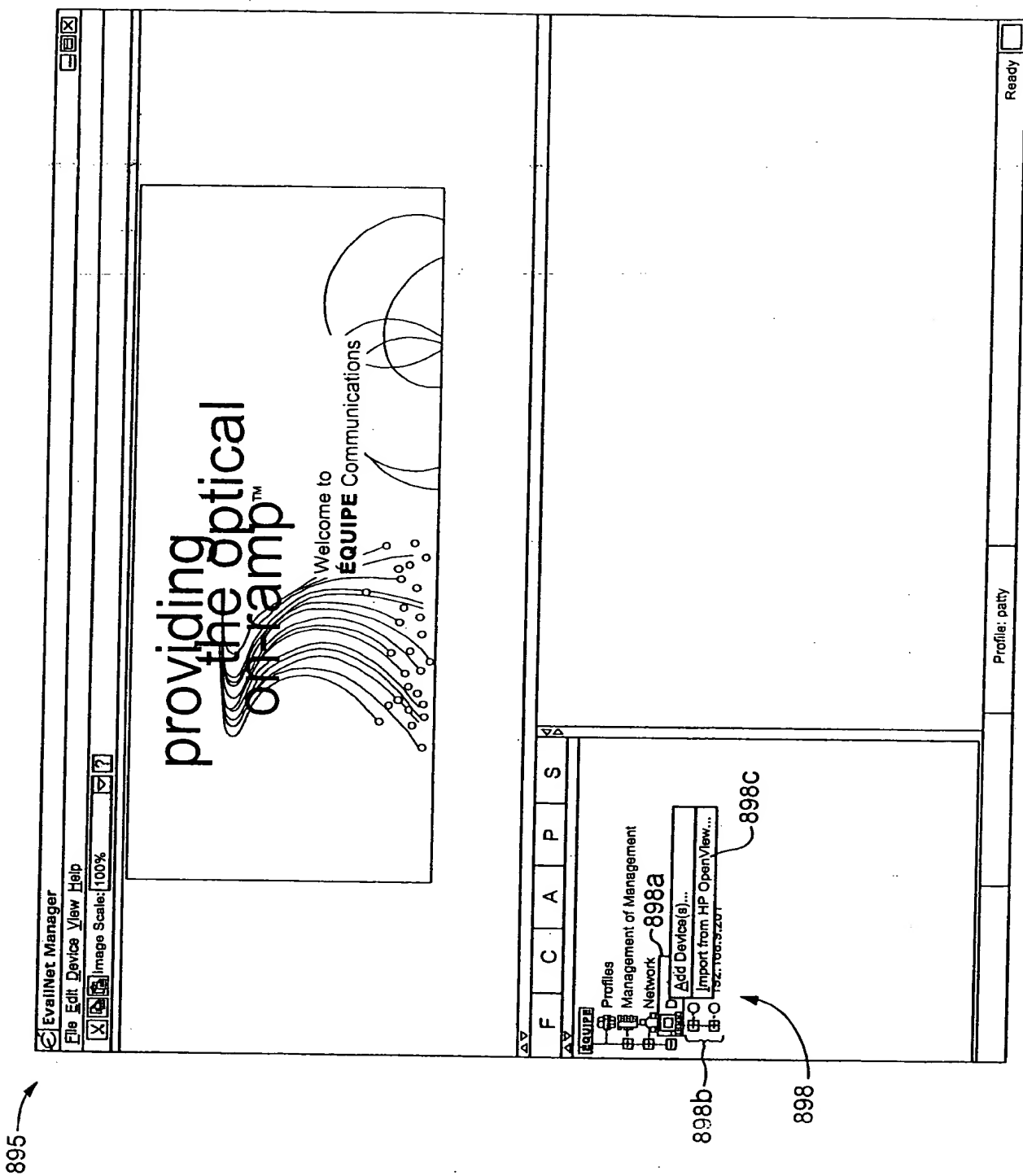


FIG. 4B

AddDeleteDeviceDlg

Enter device to add 898e

192.168.9.203

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

OK Cancel Delete

898d

FIG. 4C

AddDeleteDeviceDlg

Enter device to add 898e

☒ Manage device in on-line mode

Add 898f

Device List

On-Line Device

☒ 192.168.9.203 898g

OK Cancel Delete 898h

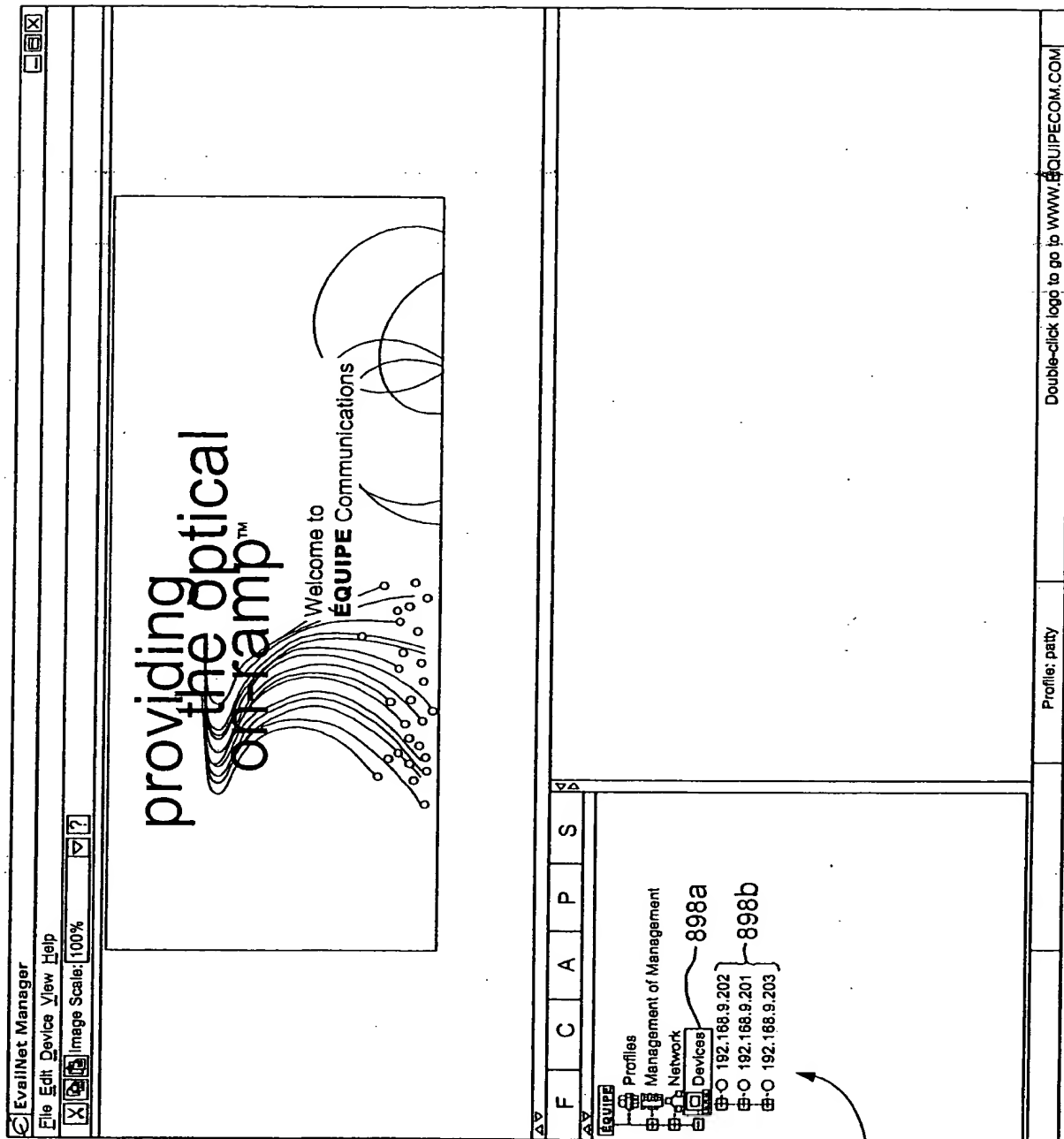
898j

898i

898d

FIG. 4D

895



898

FIG. 4E

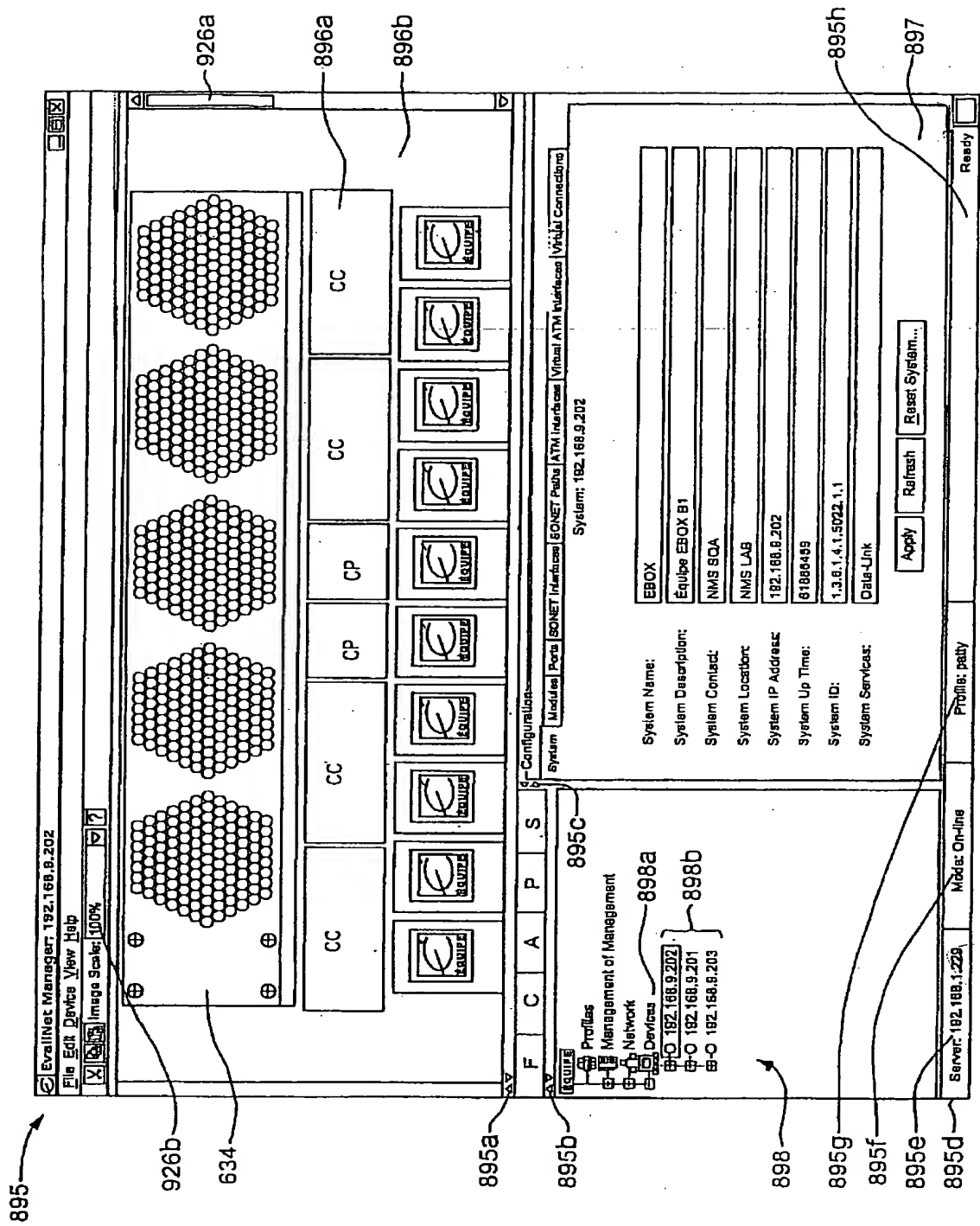


FIG. 4F

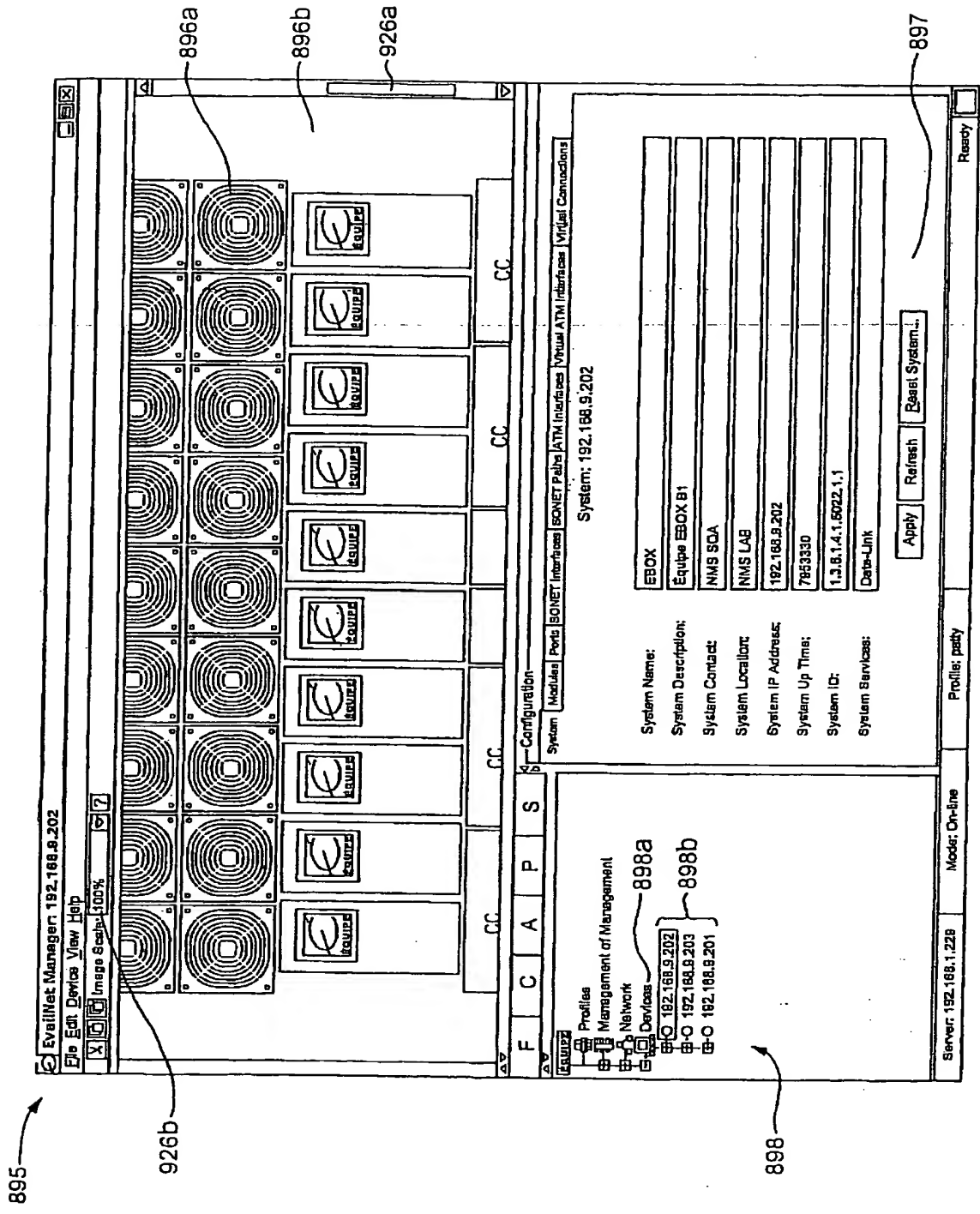


FIG. 4G

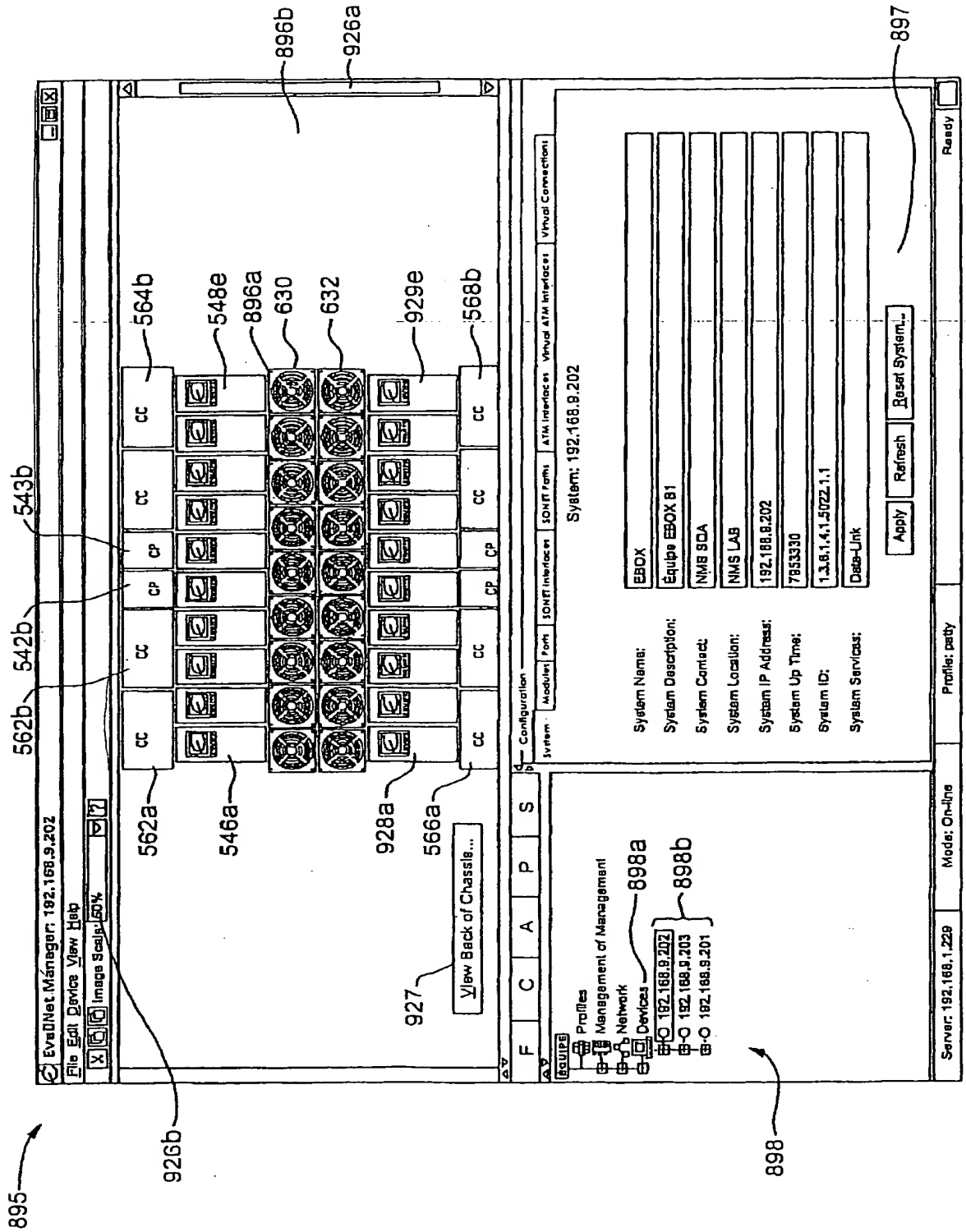


FIG. 4H

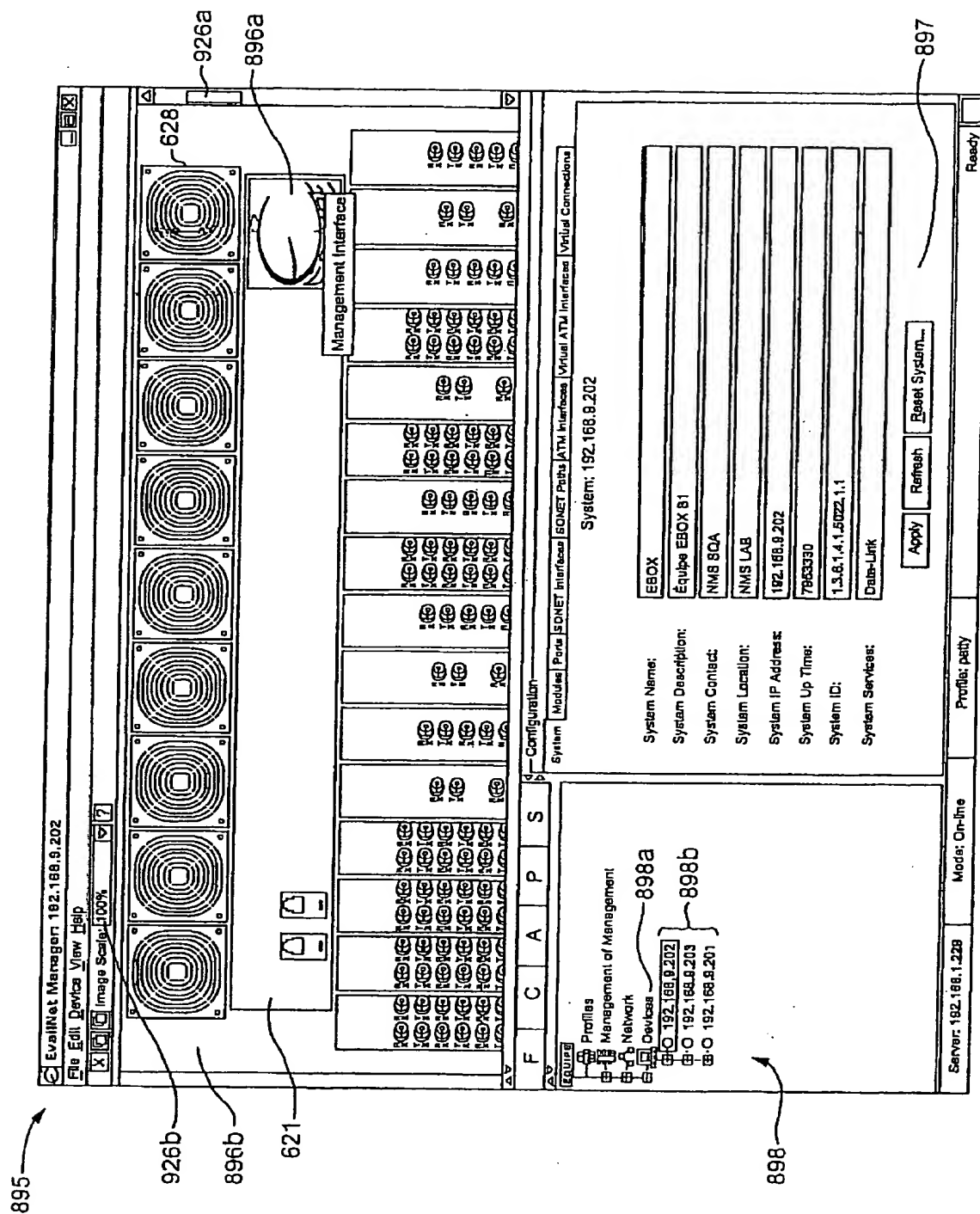


FIG. 4I

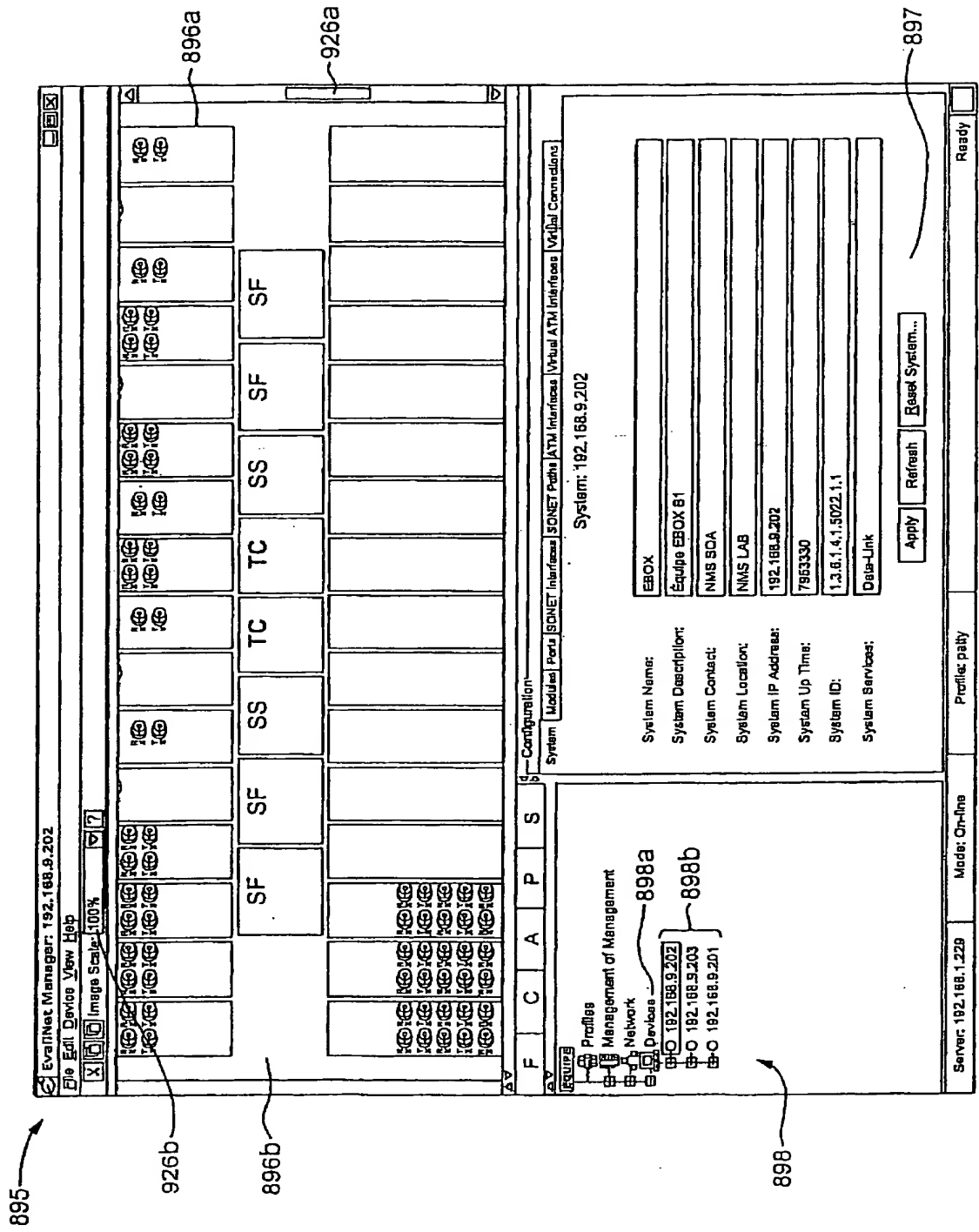


FIG. 4J

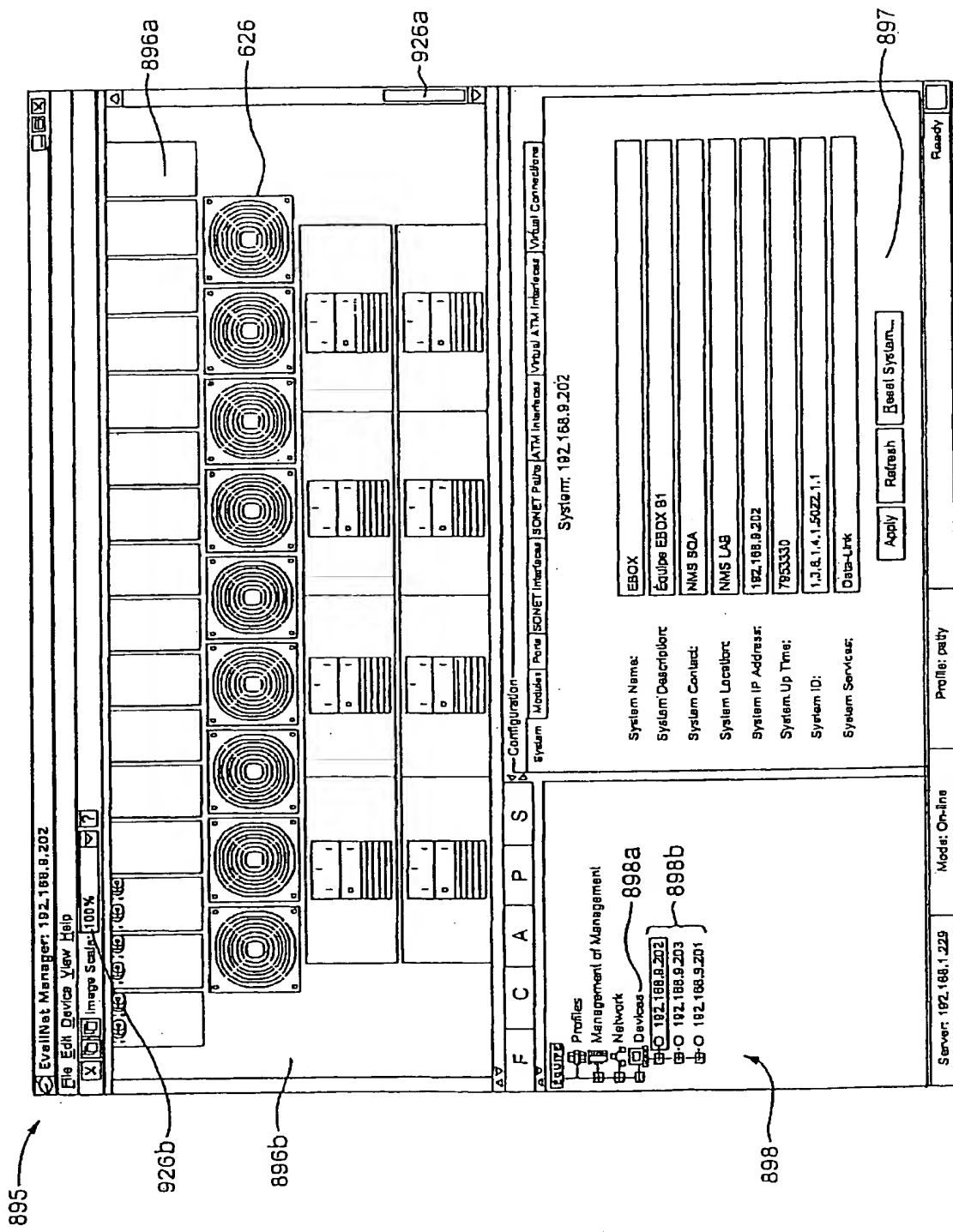


FIG. 4K

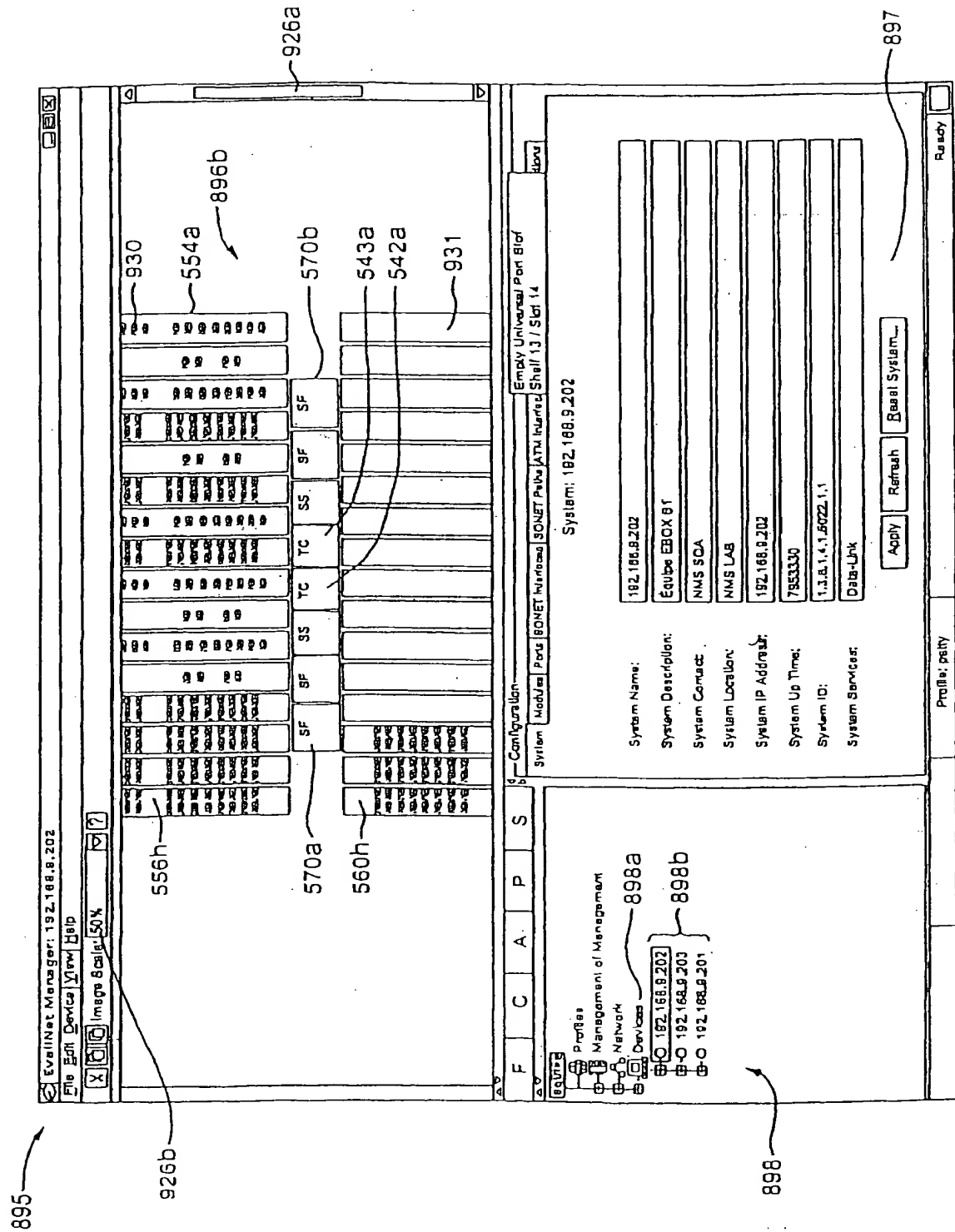


FIG. 4L

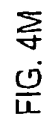
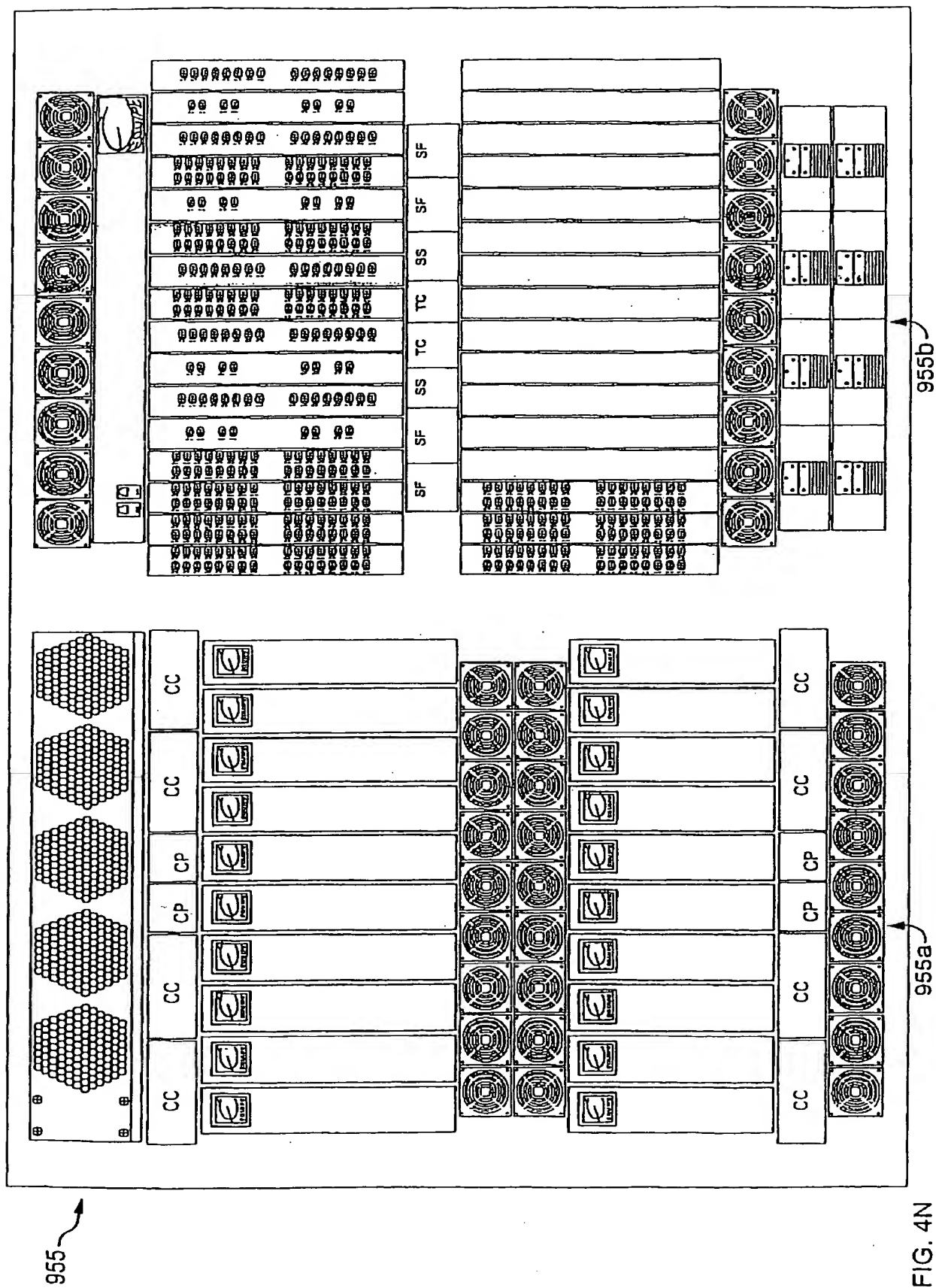


FIG. 4M



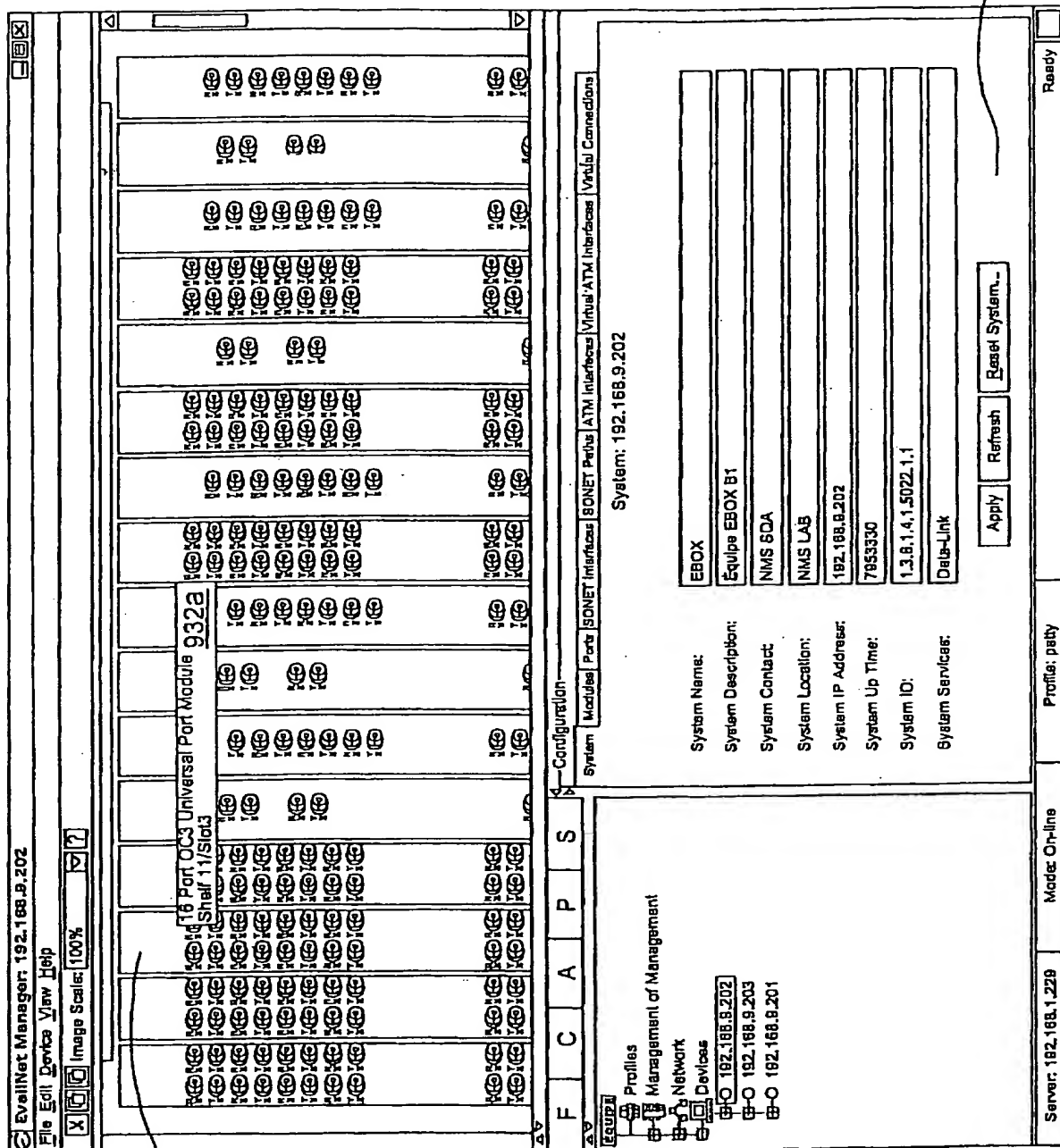


FIG. 40

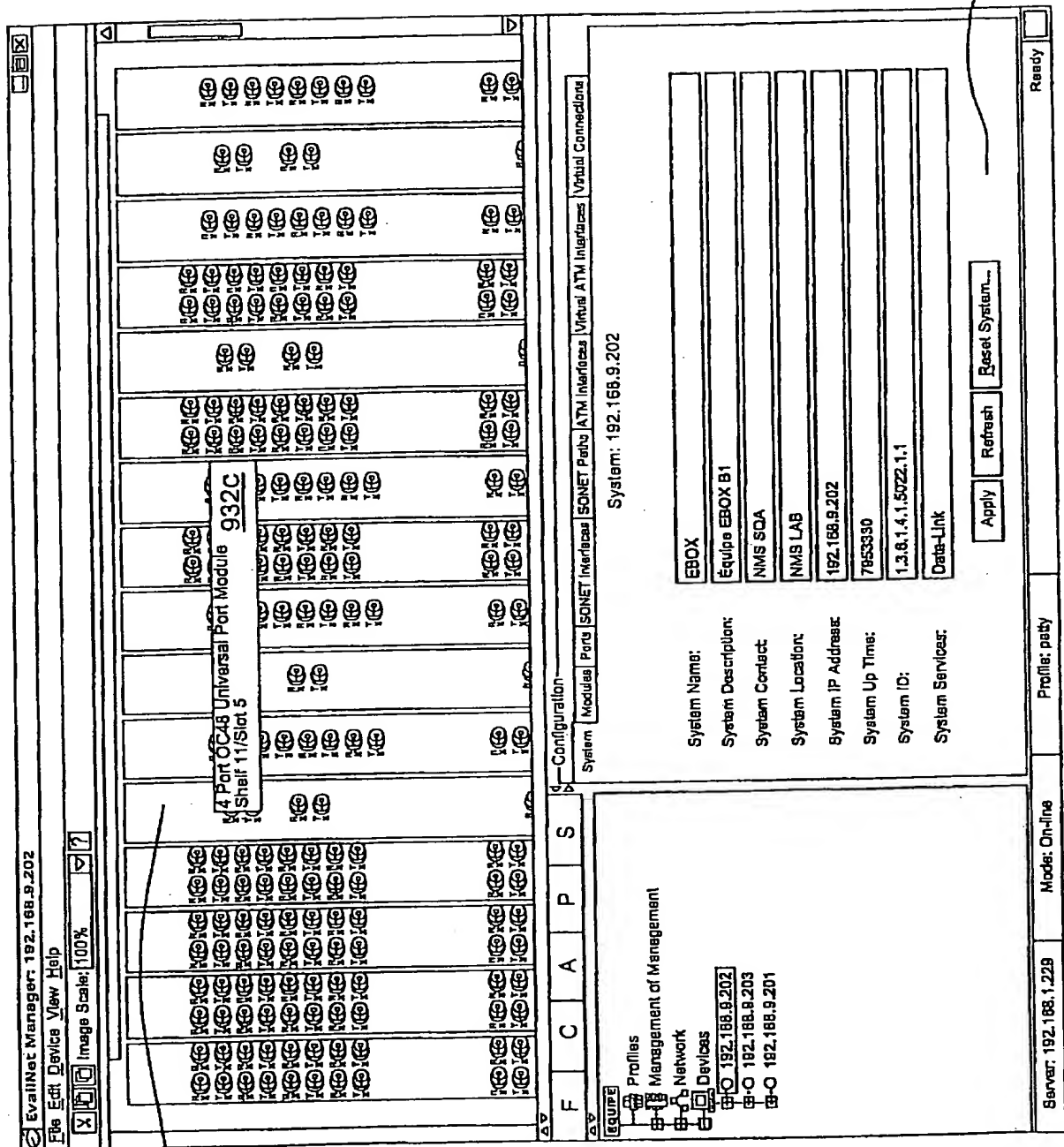


FIG. 4Q

FIG. 45

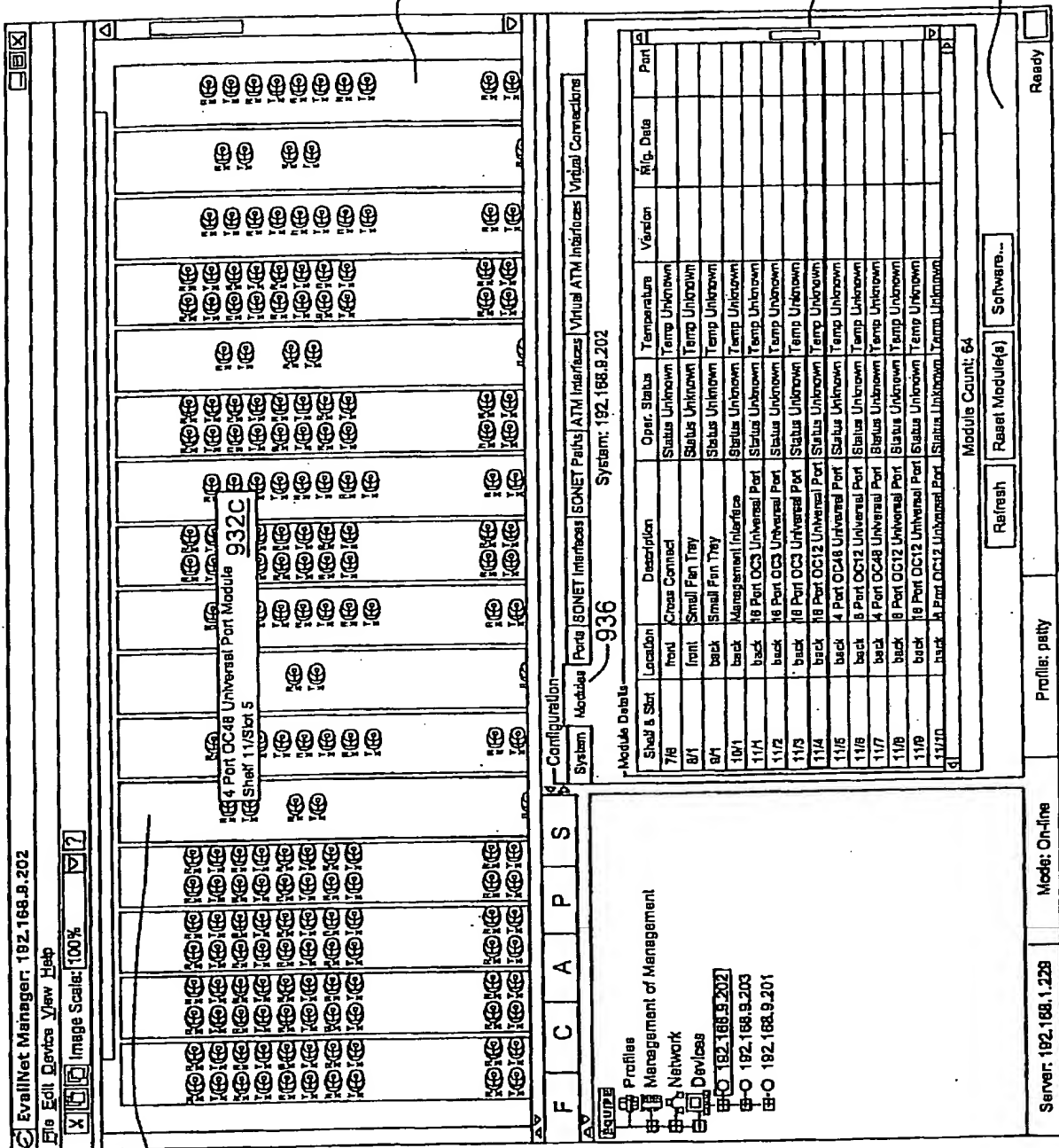


FIG. 4T

895

EvalNet Manager: 192.168.9.202

File Edit Device View Help

Image Scale: 100%

556e

939a

896a

897

F C A P S

Profile Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201

Configuration

System Modules Ports SONE Interfaces SONE Ports ATM Interfaces Virtual Connections

System: 192.168.9.202

Port Details

Shell / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/2/10	back	Serial Port 10	SONET	0 Mbps	Down	Unknown	Up
11/2/11	back	Serial Port 11	SONET	0 Mbps	Down	Unknown	Up
11/2/12	back	Serial Port 12	SONET	0 Mbps	Down	Unknown	Up
11/2/13	back	Serial Port 13	SONET	0 Mbps	Down	Unknown	Up
11/2/14	back	Serial Port 14	SONET	0 Mbps	Down	Unknown	Up
11/2/15	back	Serial Port 15	SONET	0 Mbps	Down	Unknown	Up
11/2/16	back	Serial Port 16	SONET	0 Mbps	Down	Unknown	Up
11/4/1	back	Serial Port 1	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Serial Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Serial Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Serial Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Serial Port 5	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Serial Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Serial Port 7	SONET	0 Mbps	Down	Unknown	Up

Port Count: 16

Disable... Refresh RegL...

Profile: patty

Server: 192.168.1.229 Mode: On-line

Ready

FIG. 4U

FIG. 4V

895

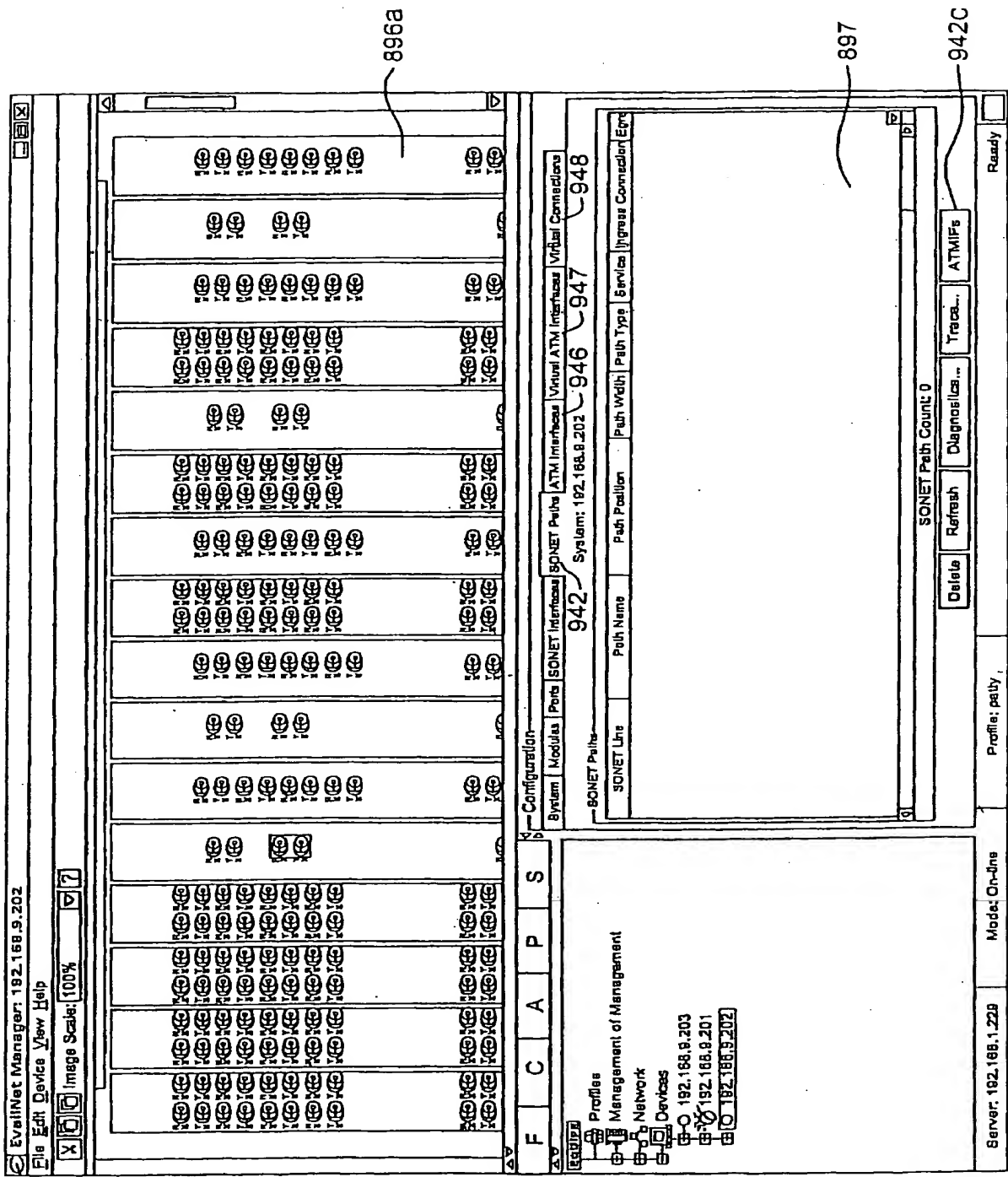


FIG. 4W

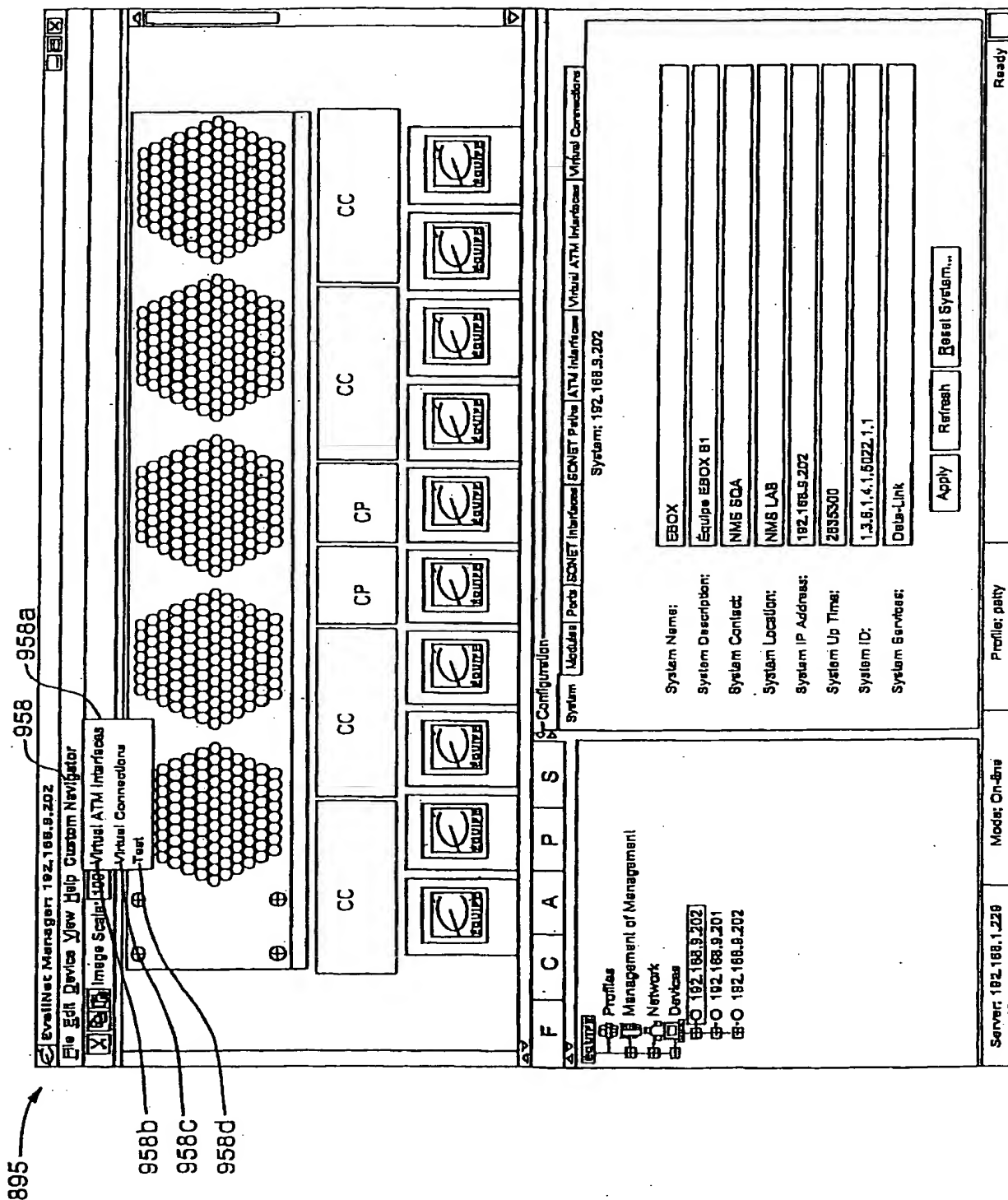


FIG. 4X

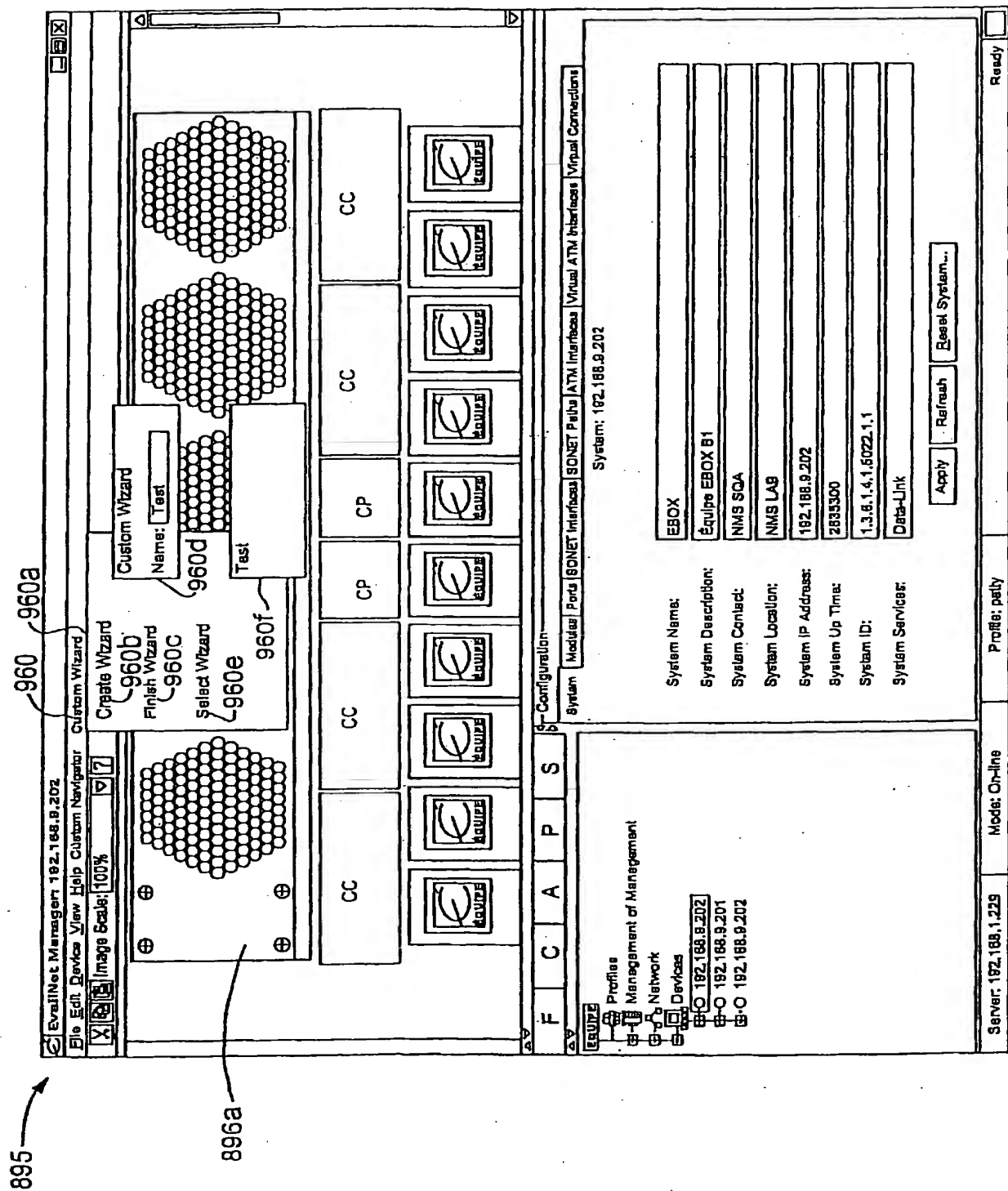


FIG. 4Y

961

EvailNet Manager: SONET Path Configuration 11/5/1

System: 192.168.9.202

SONET Line

961a

Slot

Port

Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

paths

STS-12c

Next

Cancel

961b

FIG. 4Z

895

943

556e

939a

896a

939b

897

EvalNet Manager: 192.168.9.202
File Edit Device View Help
Image Scale: 100%

Port Properties
Port Reset
Configure SONET Paths...
Show ATM Interfaces
Show Virtual Interfaces
Add Virtual Connections...
Show Virtual Connections
Show ATM Statistics
Show SONET Statistics

895

896a

897

F C A P S

Management of Management
Network
Devices
192.168.9.202
192.168.9.203
192.168.9.201

Configuration
System Modules Ports SONET Interfaces SONET Paths ATM Interfaces Virtual ATM Interfaces Virtual Connections
938 System: 192.168.9.202

Port Details

Shell / Slot / Port	Location	Name	Type	Speed	Admin. Status	Oper. Status	Link Status
11/4/1	back	Sonet Port 2	SONET	0 Mbps	Down	Unknown	Up
11/4/2	back	Sonet Port 3	SONET	0 Mbps	Down	Unknown	Up
11/4/3	back	Sonet Port 4	SONET	0 Mbps	Down	Unknown	Up
11/4/4	back	Sonet Port 5	SONET	0 Mbps	Down	Unknown	Up
11/4/5	back	Sonet Port 6	SONET	0 Mbps	Down	Unknown	Up
11/4/6	back	Sonet Port 7	SONET	0 Mbps	Down	Unknown	Up
11/4/7	back	Sonet Port 8	SONET	0 Mbps	Down	Unknown	Up
11/4/8	back	Sonet Port 9	SONET	0 Mbps	Down	Unknown	Up
11/4/9	back	Sonet Port 10	SONET	0 Mbps	Down	Unknown	Up
11/4/10	back	Sonet Port 11	SONET	0 Mbps	Down	Unknown	Up
11/4/11	back	Sonet Port 12	SONET	0 Mbps	Down	Unknown	Up
11/4/12	back	Sonet Port 13	SONET	0 Mbps	Down	Unknown	Up
11/4/13	back	Sonet Port 14	SONET	0 Mbps	Down	Unknown	Up
11/4/14	back	Sonet Port 15	SONET	0 Mbps	Down	Unknown	Up
11/4/15	back	Sonet Port 16	SONET	0 Mbps	Down	Unknown	Up

Port Count: 218

Disable... Refresh Reset...

Ready

FIG. 5A

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3c

paths

OK

Cancel

FIG. 5B

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4 Port 1 Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

4

STS-3c

paths

Path Table

SONET Line	Path Name	Path Posit	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/4/1	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

944r

OK

Cancel

944q

944p

944e

944f

944b

944g

944

FIG. 5C

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot

4

Port

1

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒

Configure

4

STS-3C

paths

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-3c	Termin.	ATM		
11/4/1	Path2_11/...	4	STS-3c	Termin.	ATM		
11/4/1	Path3_11/...	7	STS-3c	Termin.	ATM		
11/4/1	Path4_11/...	10	STS-3c	Termin.	ATM		

Graphical Representation

Position

1

4

7

10

Width

STS-3c

STS-3c

STS-3c

STS-3c

944a

944c

944g

944p

944r

944s

944t

944e

944f

944q

Modify

OK

Cancel

FIG. 5D

EvallNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 4

Port 1

Type OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒ Configure

☐ Custom Configuration

1

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/4/1	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

944a

944c

944g

944p

944r

944t

944e

944f

944q

FIG. 5E

Figure 1 is a screenshot of a software window titled "EvalNet Manager: SONET Path Configuration - 11/4/1". The window includes a close button in the top right corner. Below the title bar, the text "System: 192.168.9.202" is displayed. The main area of the window is divided into two sections. The top section, labeled "SONET Line" (945a), contains four input fields: "Slot" (4), "Port" (4), "Type" (1), and "OC12". The bottom section, labeled "Path Table" (945g), contains a table with the following columns: "SONET Line", "Path Name", "Path Position", "Path Width", "Path Type", "Service", "Ingress Co...", and "Egress Co...". The table has two rows: "Shelf11/Sl..." with values (1, Path1_11/..., 1, 3, 2, 1, ...) and "Shelf11/Sl..." with values (4, Path2_11/..., 4, 3, 2, 1, ...). Below the table is a large empty rectangular area (945k). To the right of the table is a vertical toolbar (944p) with buttons: "Modify", "Add", "Delete", and "Cancel". Below the toolbar are two buttons: "OK" (945r) and "Cancel" (945n). The bottom right corner of the window shows a "Graphical Representation" (945e) of the path configuration, showing a grid with four cells labeled 1, 4, STS-3c, and STS-3c. The grid is labeled "Position" and "Width".

FIG. 5G

895

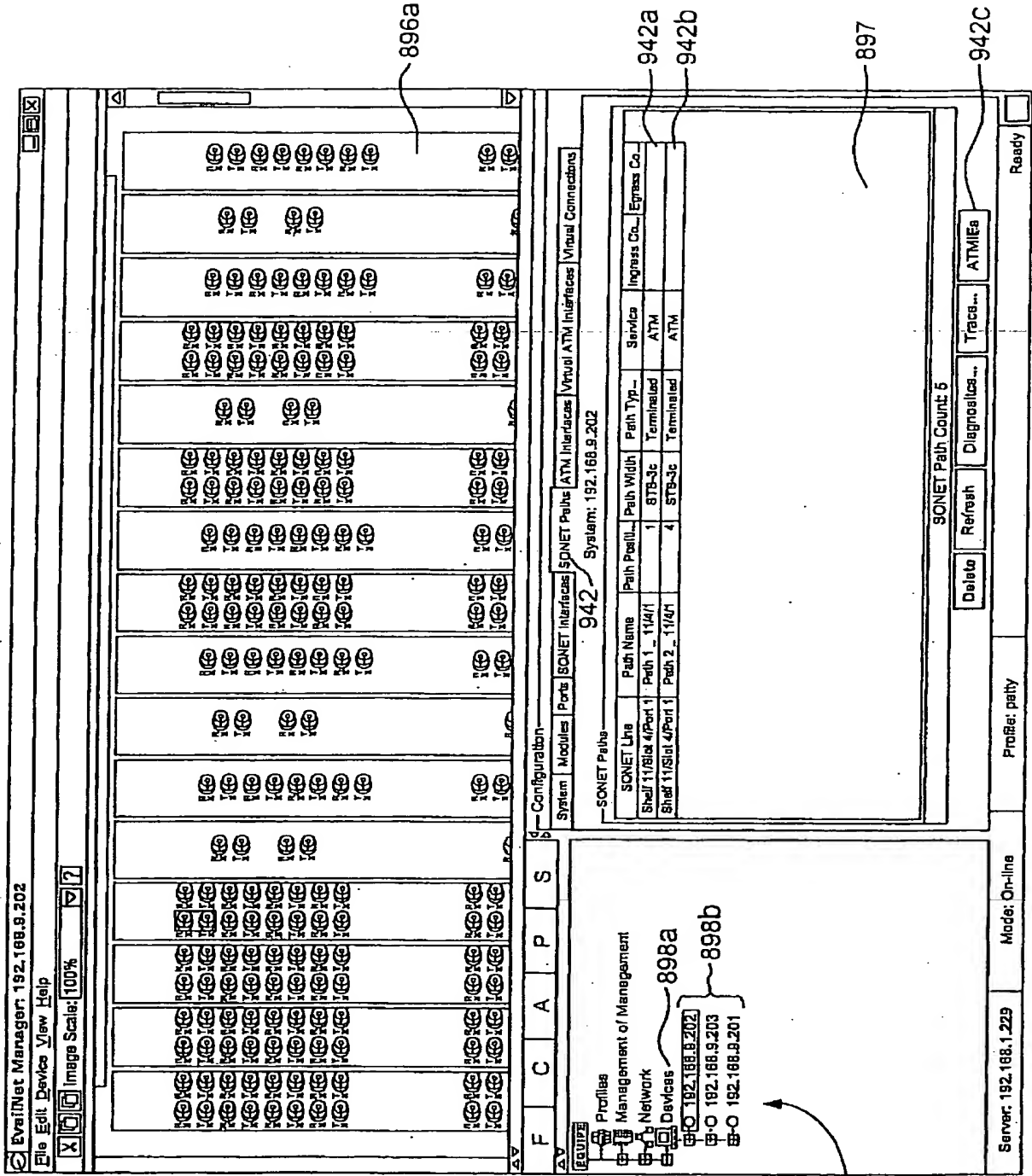


FIG. 5H



895

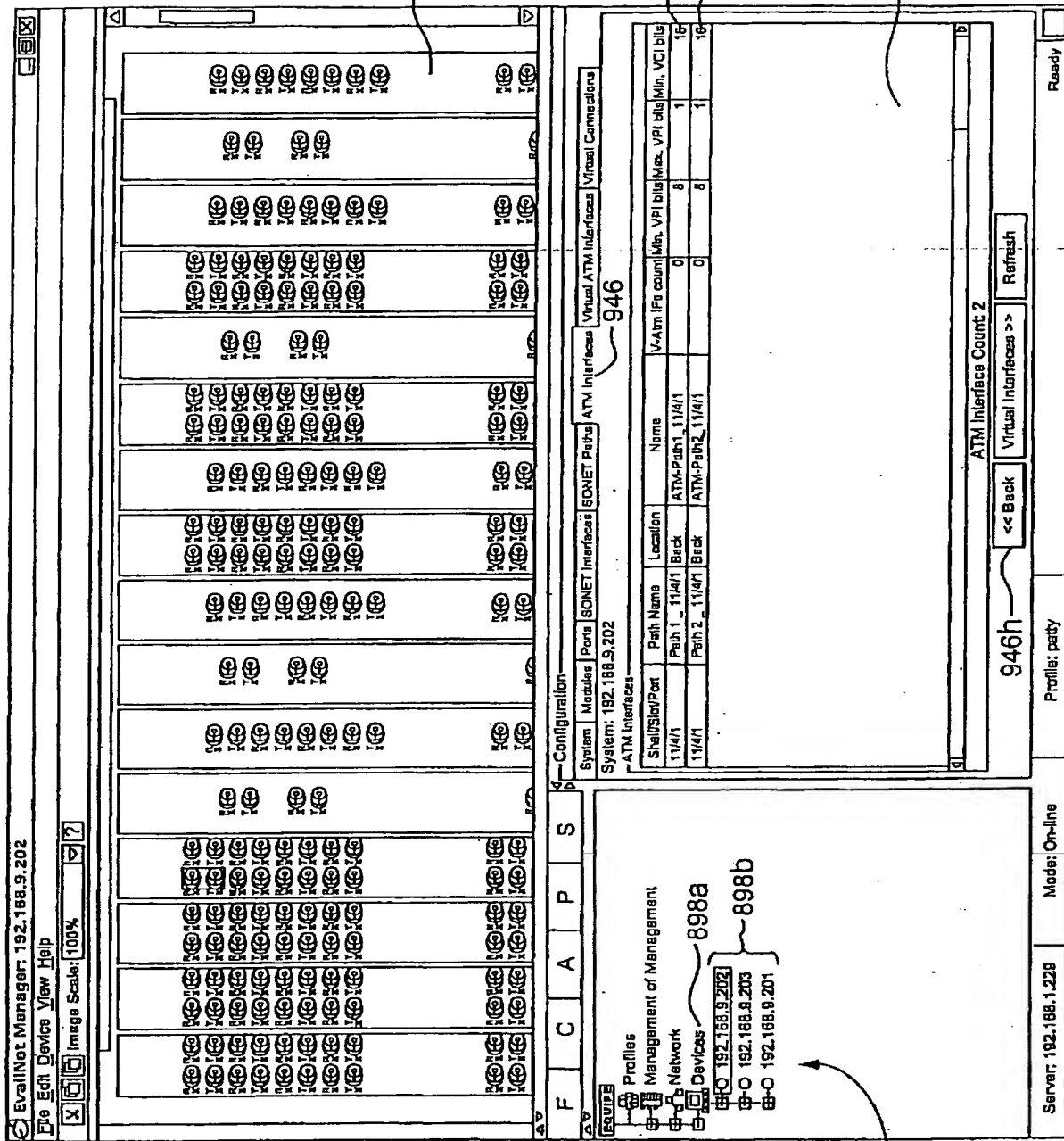


FIG. 51

EvalInet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot Port Type

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

Ok Cancel

FIG. 5K

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot 5

Port 2

Type OC48

SONET Path Wizard

☒ Configure a single concatenated path (STS-48c)

☐ Configure

☐ Custom Configuration

4

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-48c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-48c

944a

944b

944c

944d

944g

944p

944e

944f

944r

944q

FIG. 5L

EvallNet Manager: SONET Path Configuration - 11/5/2

X

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-48c)
 ☒

Configure

☐ Custom Configuration

4

944s

944t

STS-12c

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wl.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-12c	Termin.	ATM		
11/5/2	Path2_11/...	13	STS-12c	Termin.	ATM		
11/5/2	Path3_11/...	25	STS-12c	Termin.	ATM		
11/5/2	Path4_11/...	37	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

1

13

25

37

Width

STS-12c

STS-12c

STS-12c

STS-12c

944e

944f

OK

Cancel

FIG. 5M

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

Graphical Representation

Position

Width

1

STS-48c

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

Custom Configuration

1

1

4

16

paths

STS-48c

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.,	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/...	1	STS-48c	Termin.	ATM		

Modify

944r

OK

Cancel

FIG. 5N

EvailNet Manager: SONET Path Configuration - 11/5/2

System: 192.168.9.202

SONET Line

Slot

5

Port

2

Type

OC48

SONET Path Wizard

Configure a single concatenated path (STS-48c)

Configure

16

STS-3c

paths

Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/5/2	Path1_11/5/2	1	STS-3c	Termin.	ATM		
11/5/2	Path2_11/5/2	4	STS-3c	Termin.	ATM		
11/5/2	Path3_11/5/2	7	STS-3c	Termin.	ATM		
11/5/2	Path4_11/5/2	10	STS-3c	Termin.	ATM		
11/5/2	Path5_11/5/2	13	STS-3c	Termin.	ATM		
11/5/2	Path6_11/5/2	16	STS-3c	Termin.	ATM		
11/5/2	Path7_11/5/2	19	STS-3c	Termin.	ATM		

Modify

OK

Cancel

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c
13	STS-3c
16	STS-3c
19	STS-3c
22	STS-3c
25	STS-3c
28	STS-3c
31	STS-3c
34	STS-3c
37	STS-3c
40	STS-3c
43	STS-3c
45	STS-3c

FIG. 50

EvailNet Manager: SONET Path Configuration - 11/4/1

System: 192.168.9.202

SONET Line

Slot 5 Port 2 Type OC48

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
 ☐ Configure
 ☐ Custom Configuration

16

STS-3c

paths

Functions

Available SONET Paths

STS-3C

STS-12C

944i

Add>

<Remove

<<Clear

Allocated SONET Paths

STS-3C

STS-3C

STS-3C

STS-3C

STS-12C

944j

↑

↓

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/5/2	Path1_11/...	1	STS-3c	Terminated	ATM		
11/5/2	Path2_11/...	4	STS-3c	Terminated	ATM		
11/5/2	Path3_11/...	7		Terminated	ATM		

Modify

OK

Cancel

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3
10	STS-3
22	STS-12c
34	STS-12c

FIG. 5P



FIG. 5Q

FIG. 5R



FIG. 55

950

Add V-ATM Interface - 192.168.9.202 [X]

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/4/1

☐ Virtual ATM Interface Parameters

950d	Name	test1
950a	Connection Type	Direct Link
950b	Version	UNI Network 3.1
950c	Admin Status	Up

950e

OK Cancel

FIG. 5T

FIG. 5U

895

EvalNet Manager: 192.168.8.202
File Edit Device View Help
Image Scale: 100%

556d

941a

Port Properties... 943
Port Reset...
Configure SONET Paths...
Show ATM Interfaces
Show Virtual Interfaces
Add Virtual Connection...
Show Virtual Connections
Show ATM Statistics
Show SONET Statistics

SONET Interfaces

SONET Paths

ATM Interfaces

Virtual ATM Interfaces

Virtual Connections

System: 192.168.9.202

Shelf 11

Slot 1

Slot 2

Slot 3

Slot 4

Slot 5

Port 1

Port 2

ATM-Path1_11

ATM-Path2_11

ATM-Path3_11

ATM-Path4_11

Port 3

Port 4

Slot 6

Slot 7

Slot 8

Management of Management

Network

Devices

192.168.9.203

192.168.9.201

192.168.9.202

Server: 192.168.1.229

Mode: On-line

Profile: patty

Ready

947

947a

947b

947d

947C

Name	Type	Version	Admin. Status	PVC Count	Sign
192.168.9.202	Direct Link	UNI Network 3.1	Up	0	Err

<Back

Add...

Delete...

Refresh

Virtual Connections>>

FIG. 5V

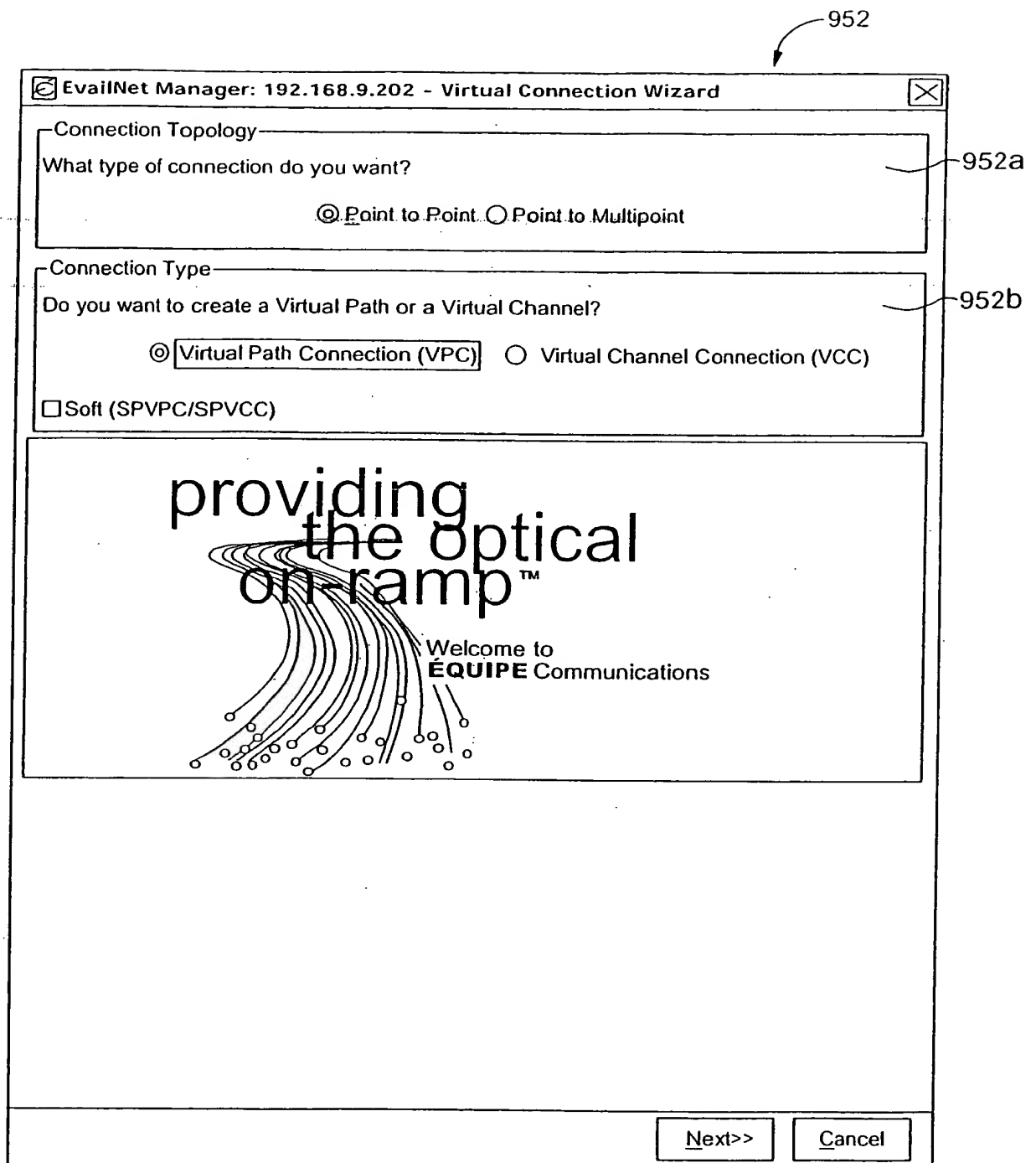


FIG. 5W

953

Source: 192.168.9.202
Destination: 192.168.9.202

953a End Point 1

- Slot 4
 - Port 1
 - ATM-Path1_11/4/1
 - ATM-Path2_11/4/1
 - test1
 - test2
 - Port 2
 - Port 3
 - Port 4

953b

End Point 1

- Slot 3
 - Port 1
 - Port 2
 - ATM-Path1_11/5/2
 - test3
 - ATM-Path2_11/5/2
 - ATM-Path5_11/5/2

953c

953d

953e Connection Parameters

Connection Name:

Admin Status: 953h

Customer Name:

953f End Point 1 Parameters:

VPI: ☒ Use Any VPI Value 953k

VCI: ☐ Use Any VCI Value 953o

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive

953g End Point 2 Parameters:

VPI: ☒ Use Any VPI Value 953l

VCI: ☐ Use Any VCI Value 953p

Transmit Traffic Descriptor:

Receive Traffic Descriptor:

☐ Use the same Traffic Descriptor for both Transmit and Receive 953u 953w 953v

FIG. 5X

956

NEW TRAFFIC
DESCRIPTOR

NAME:

QoS CLASS:

▼

TYPE:

▼

OK

CANCEL

FIG. 5Y

895

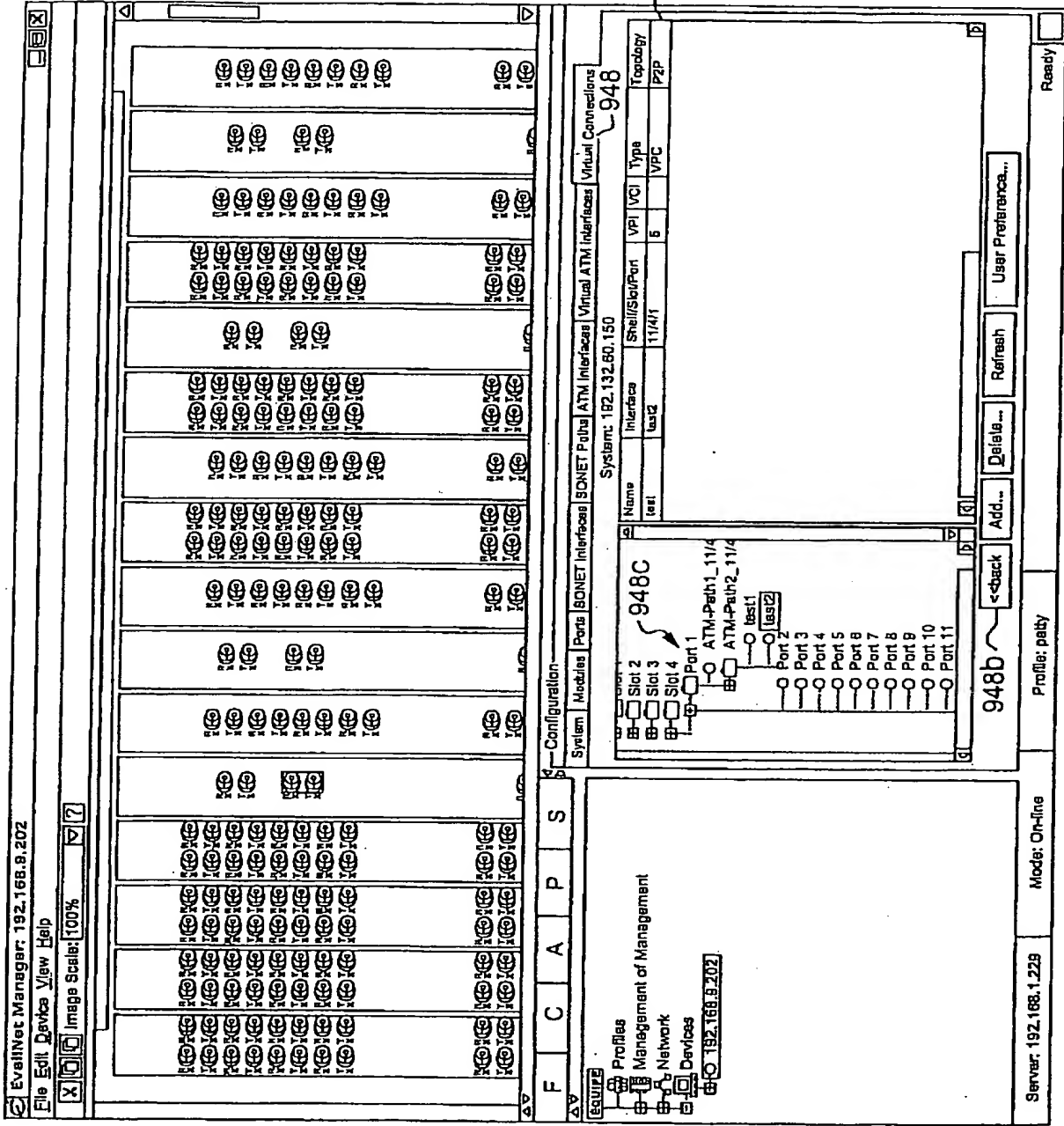


FIG. 5Z

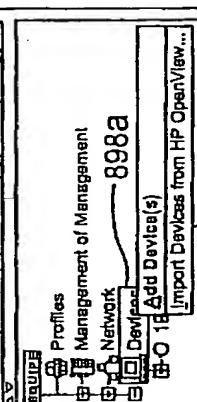
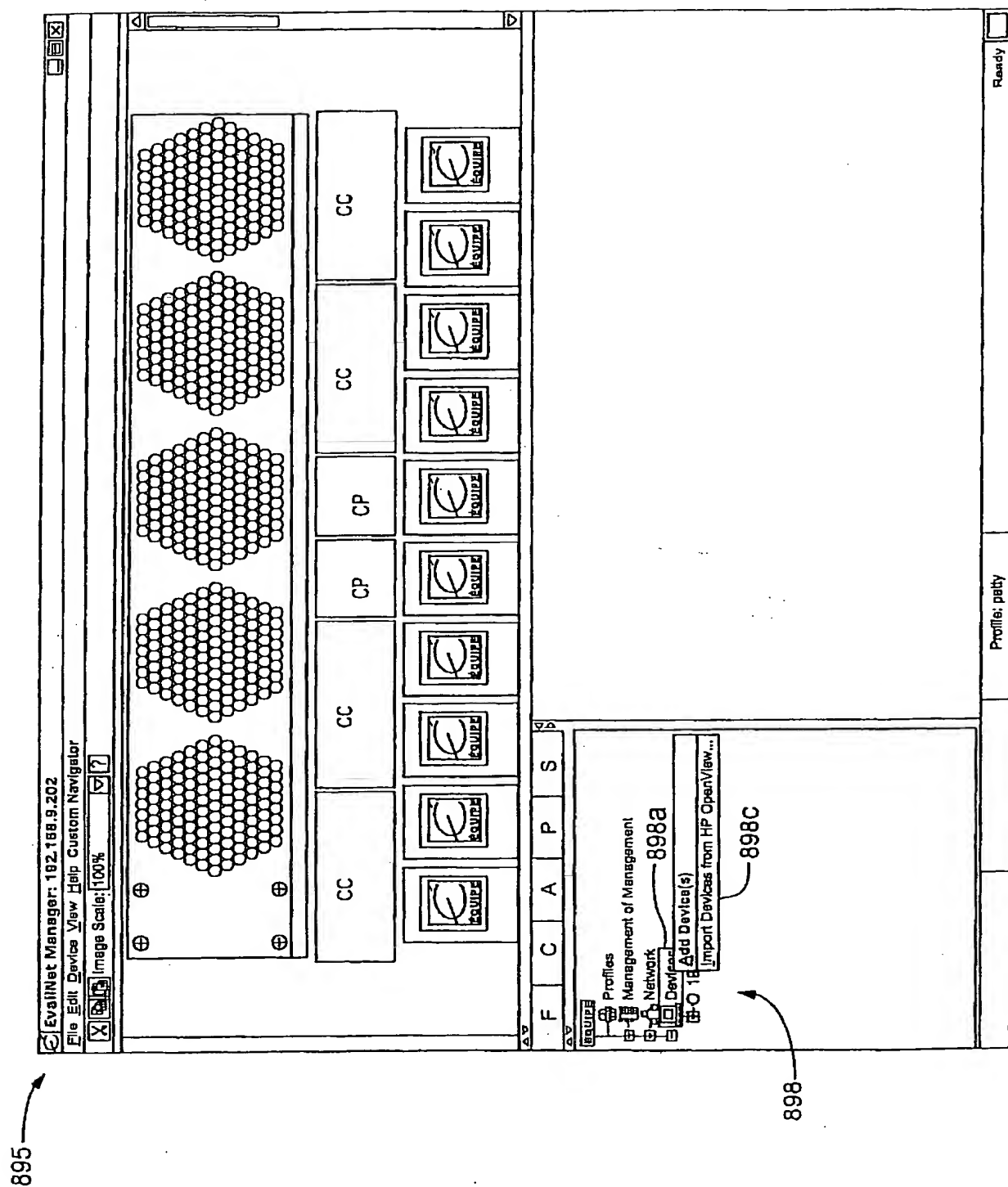


FIG. 6A

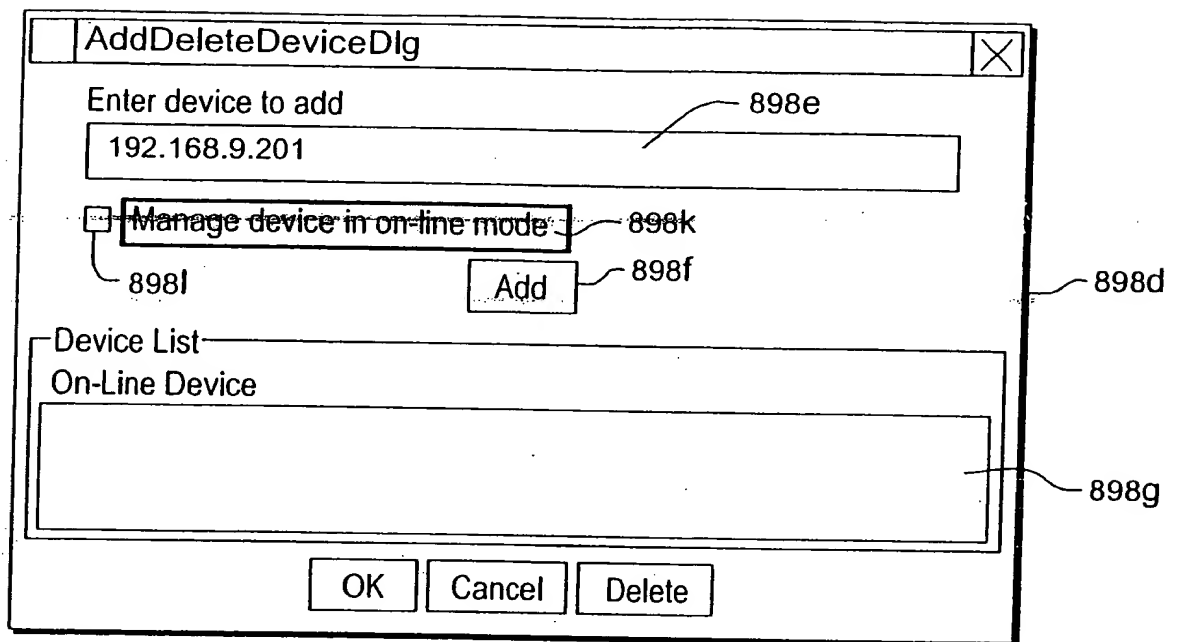


FIG. 6B

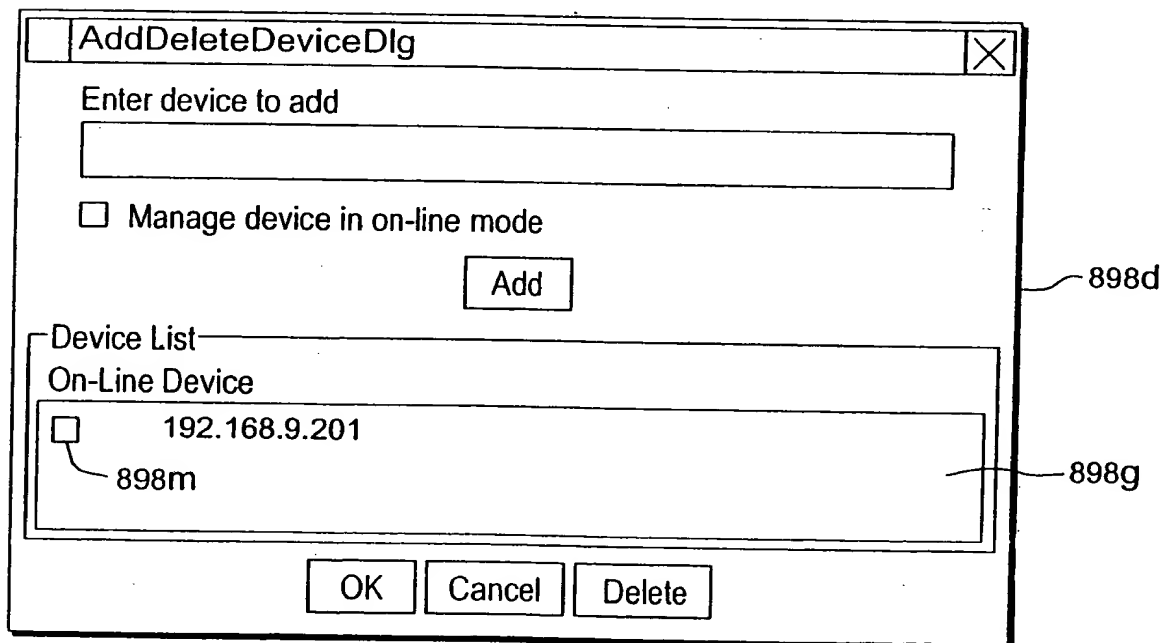


FIG. 6C

895

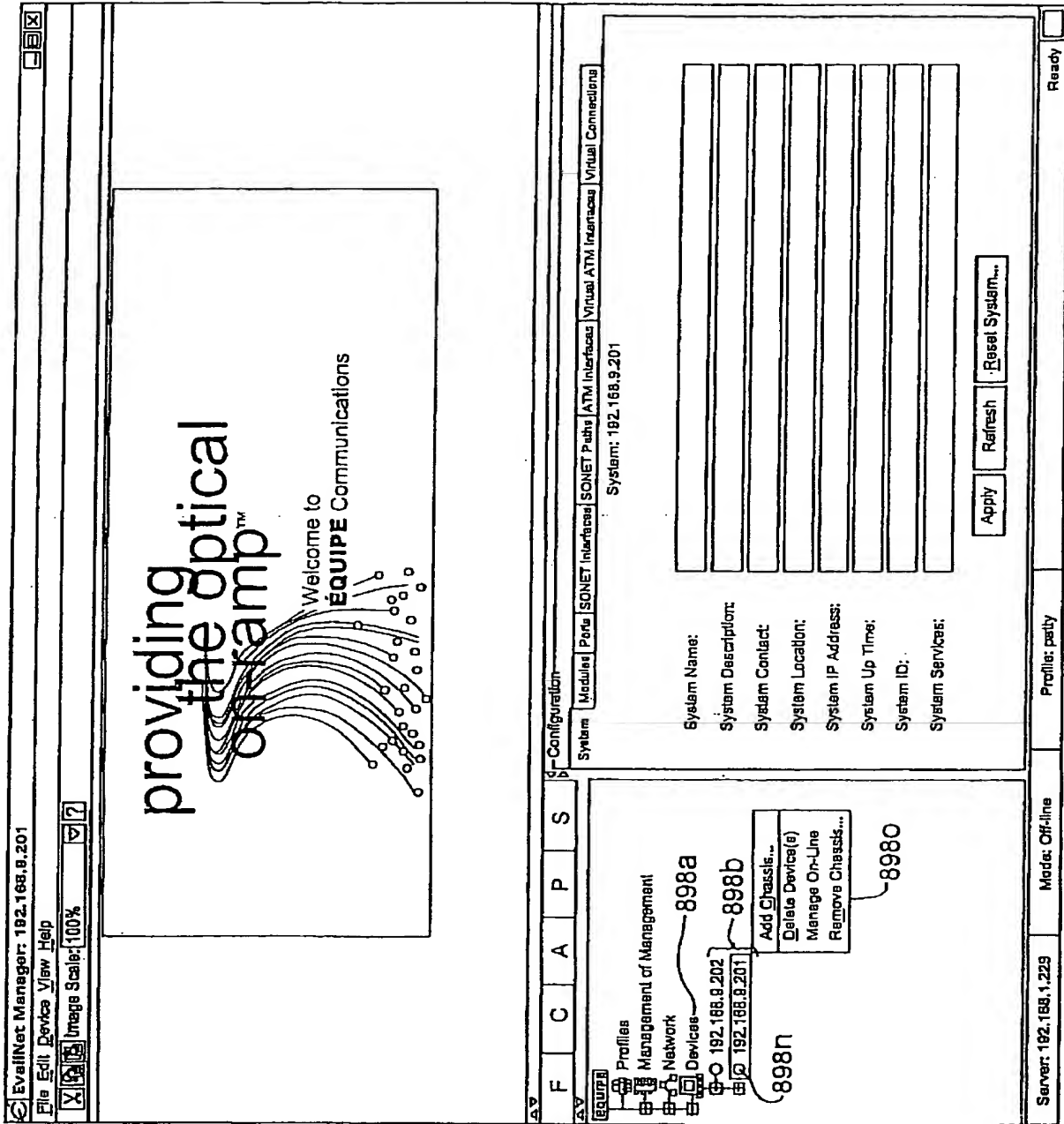


FIG. 6D

895

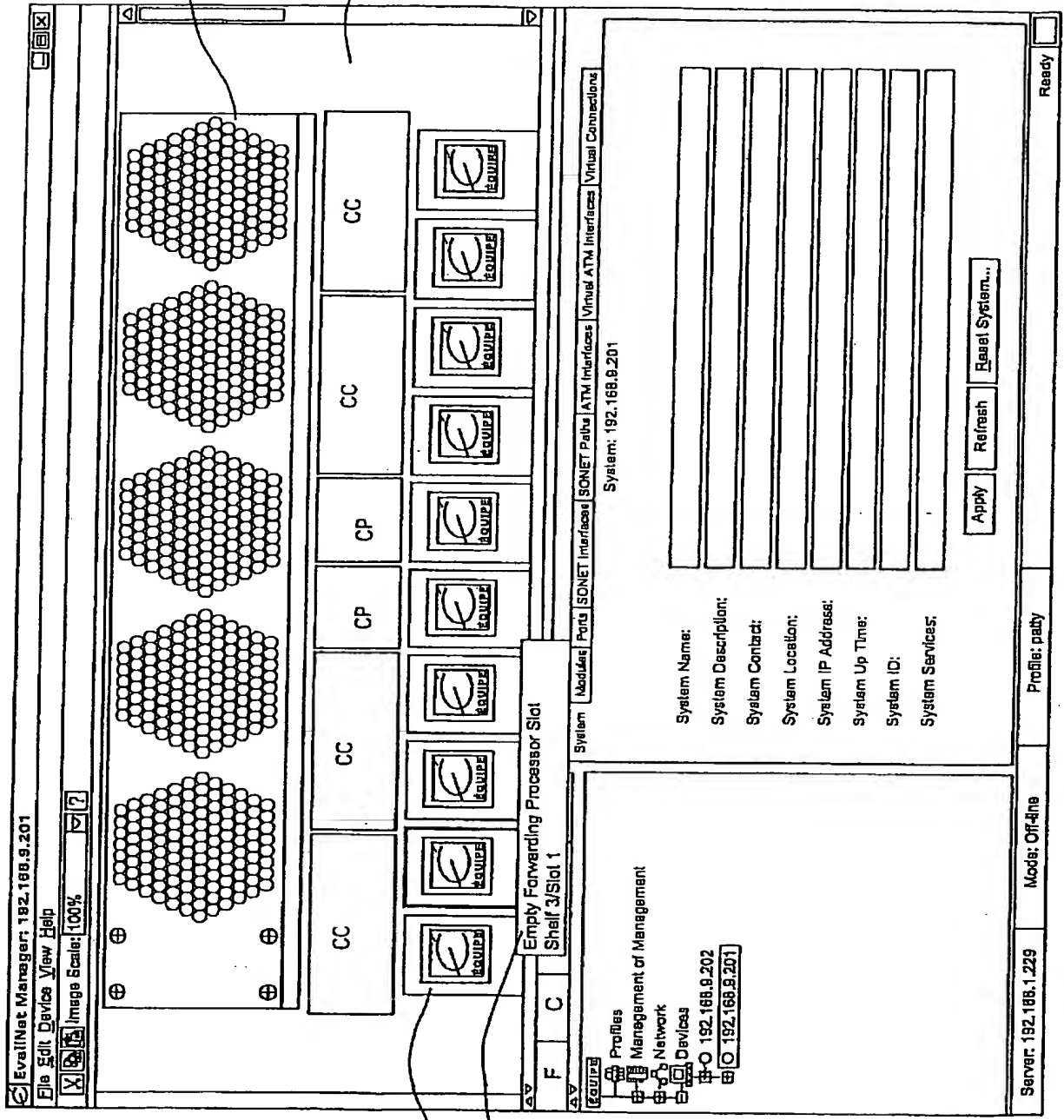


FIG. 6E

895

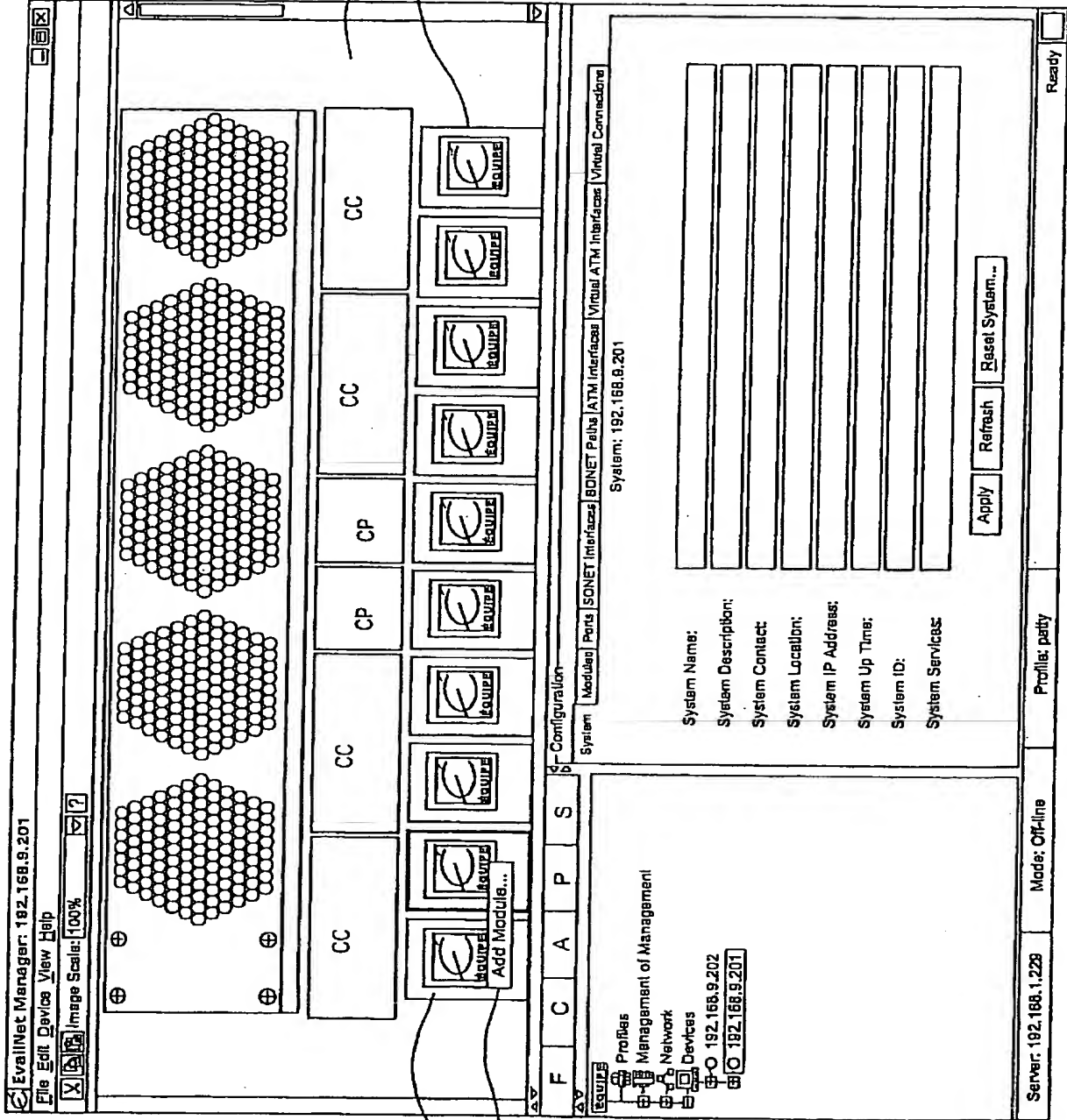
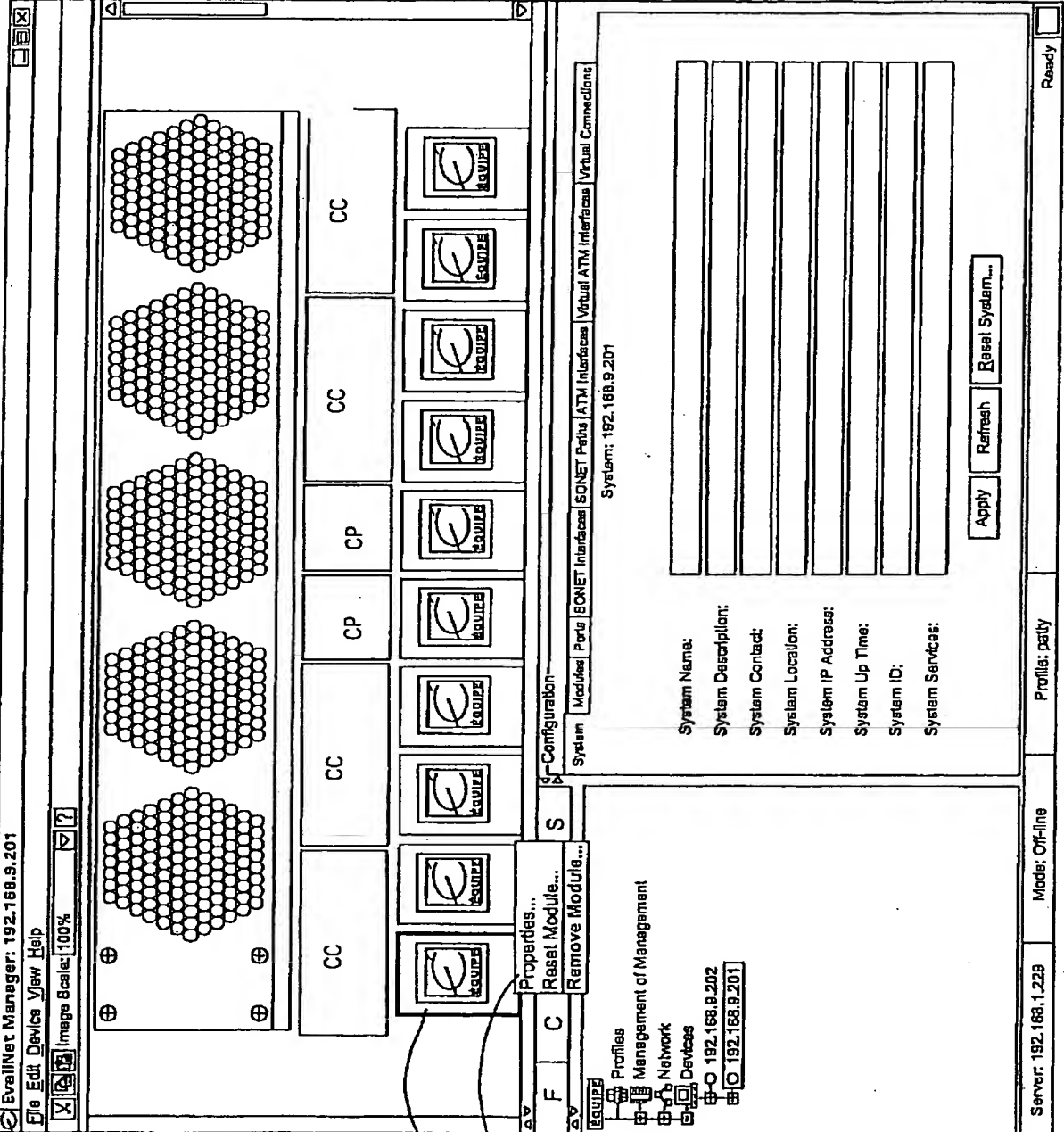


FIG. 6F

895



546a

896t

FIG. 6G

895

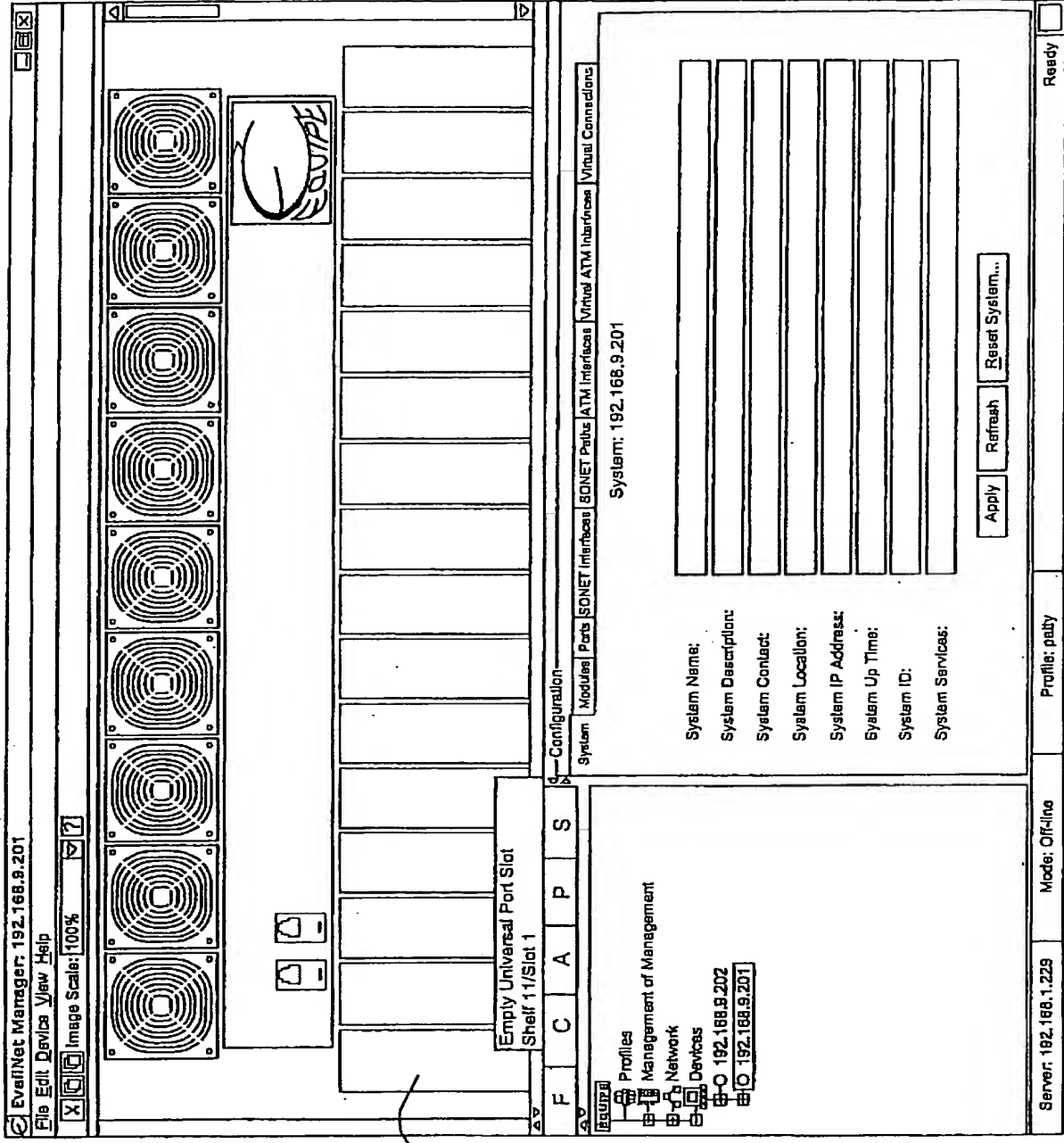


FIG. 6H

895

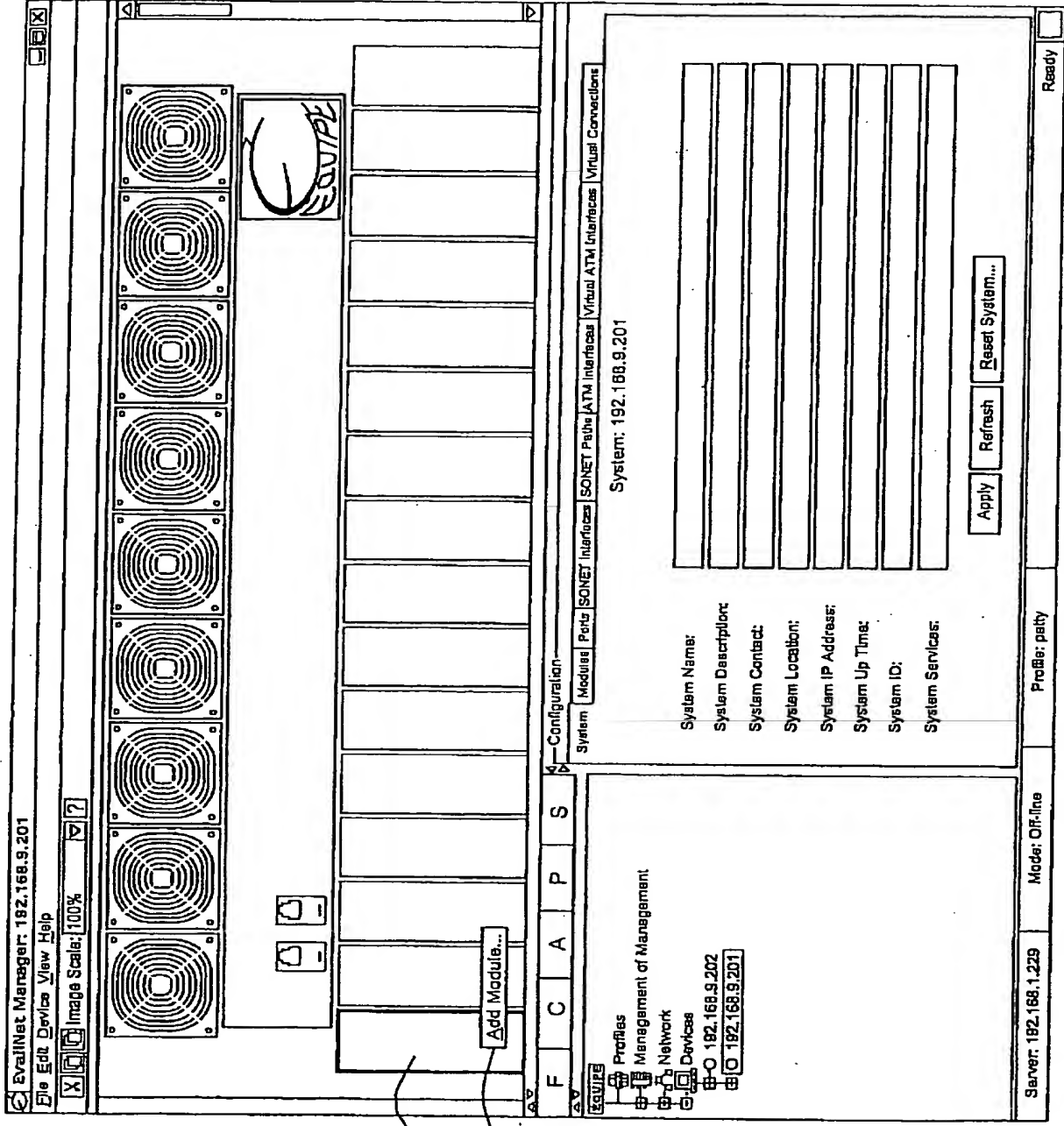


FIG. 6I

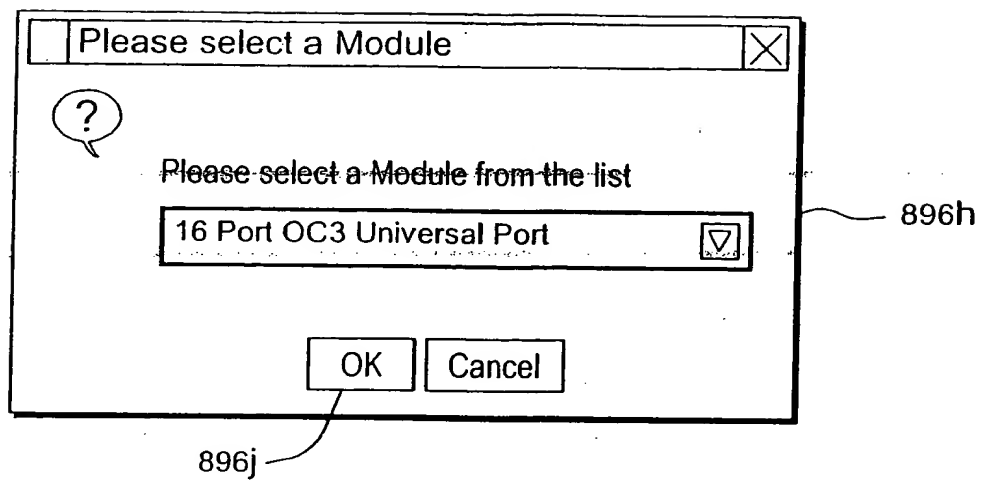


FIG. 6J

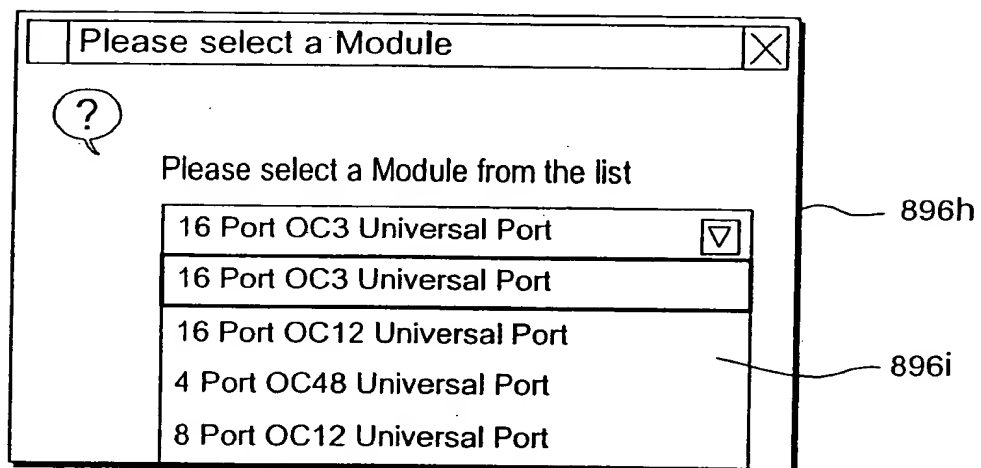


FIG. 6K

895

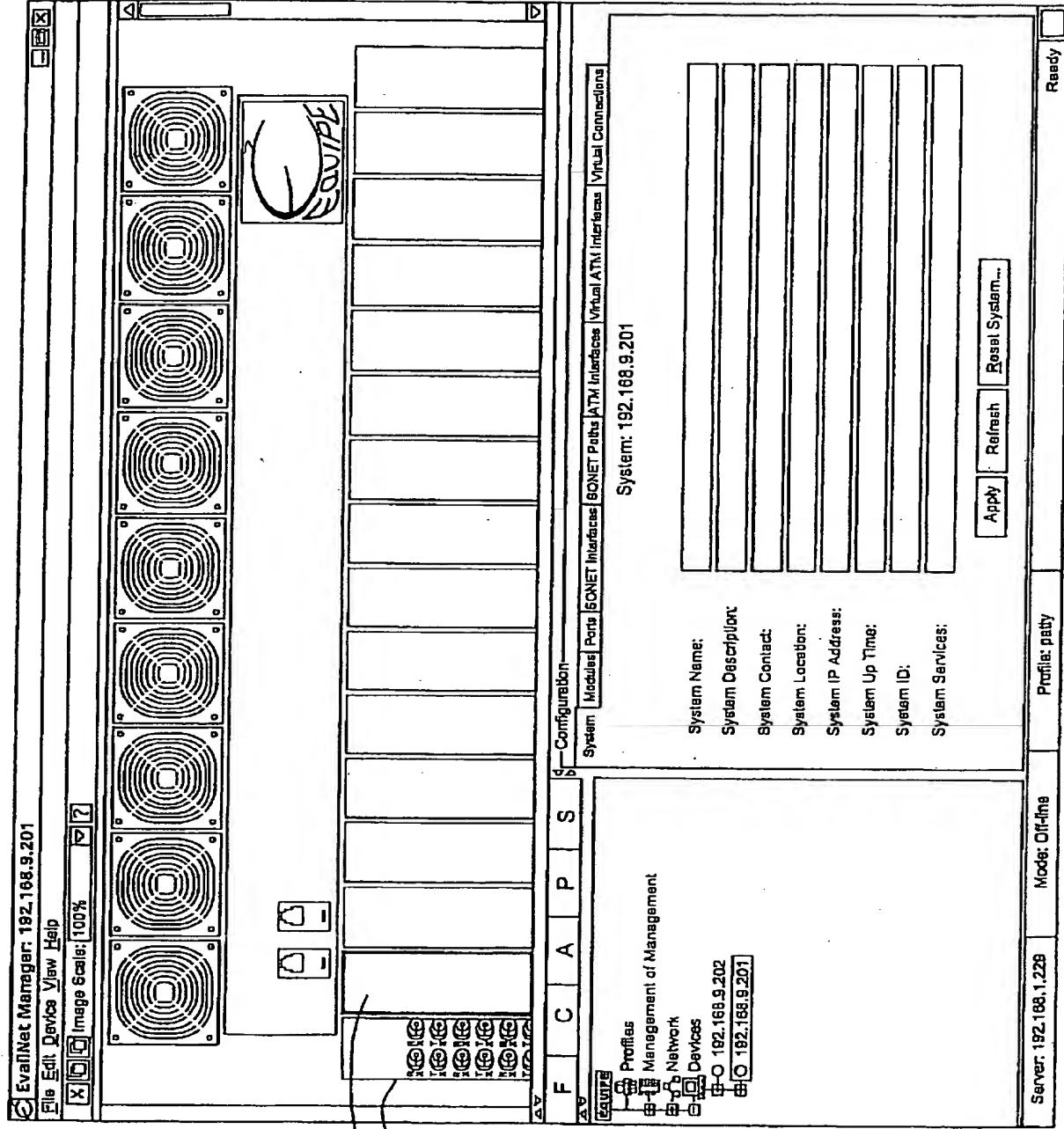


FIG. 6L

895

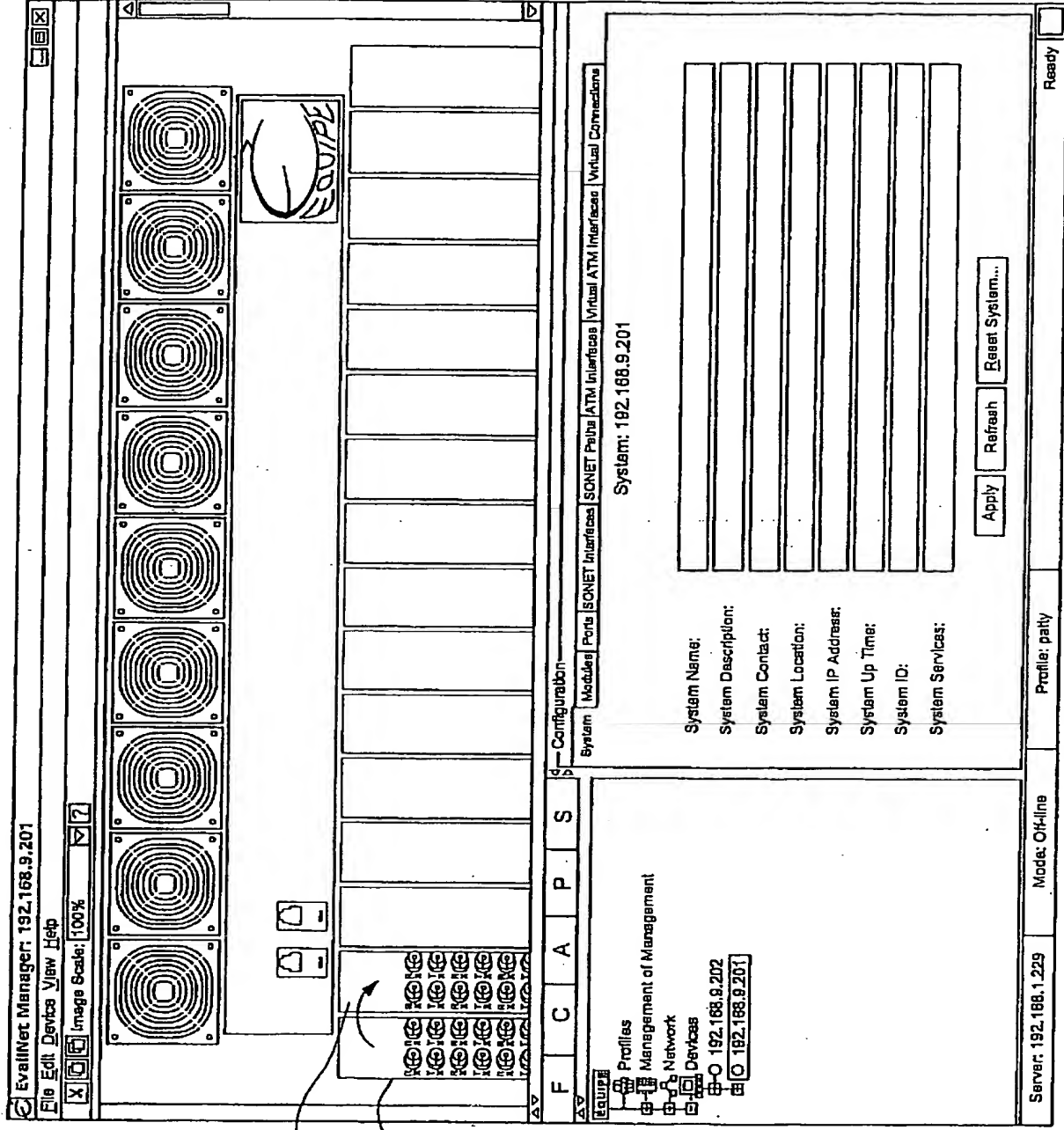


FIG. 6M

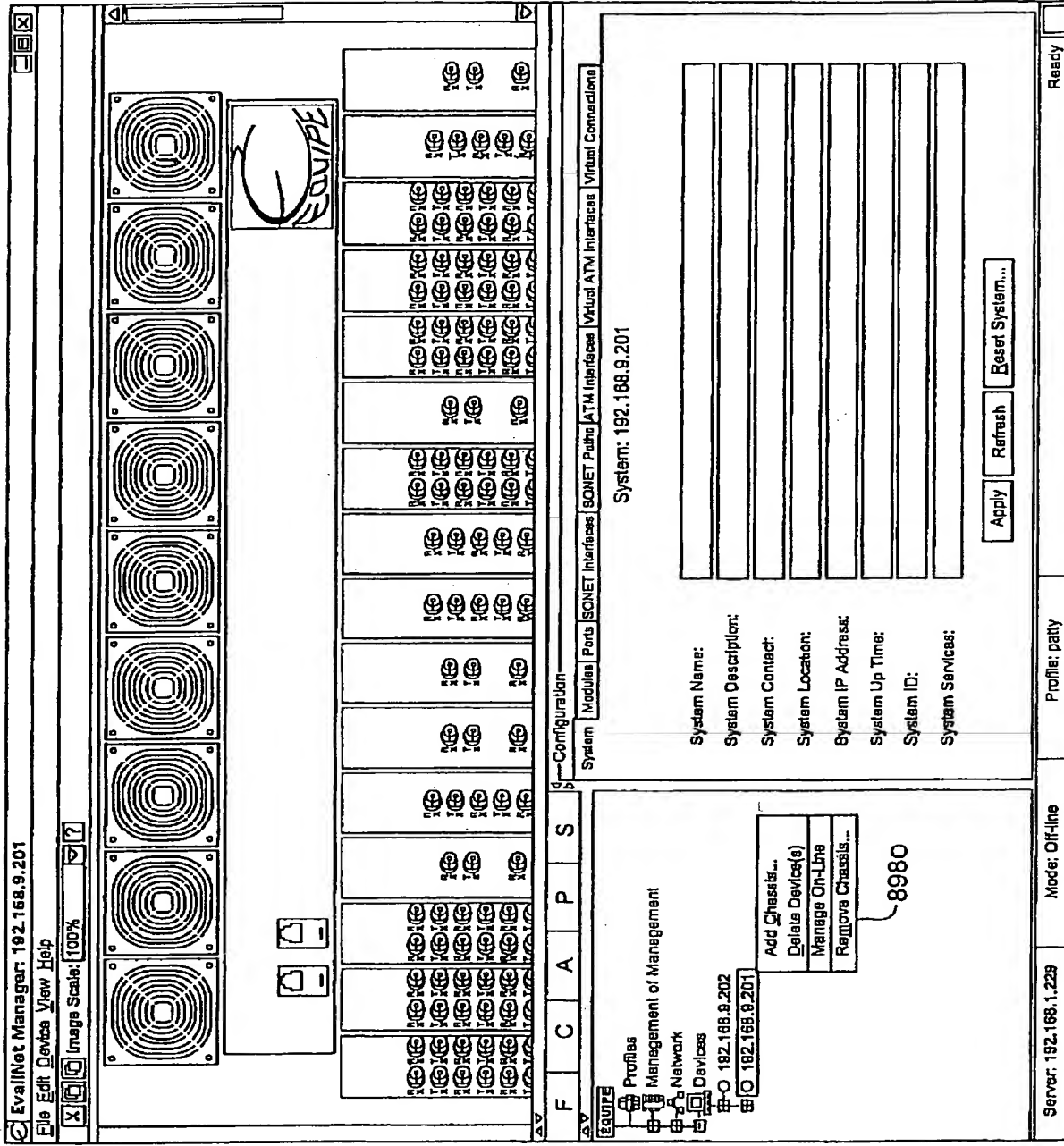


FIG. 6N

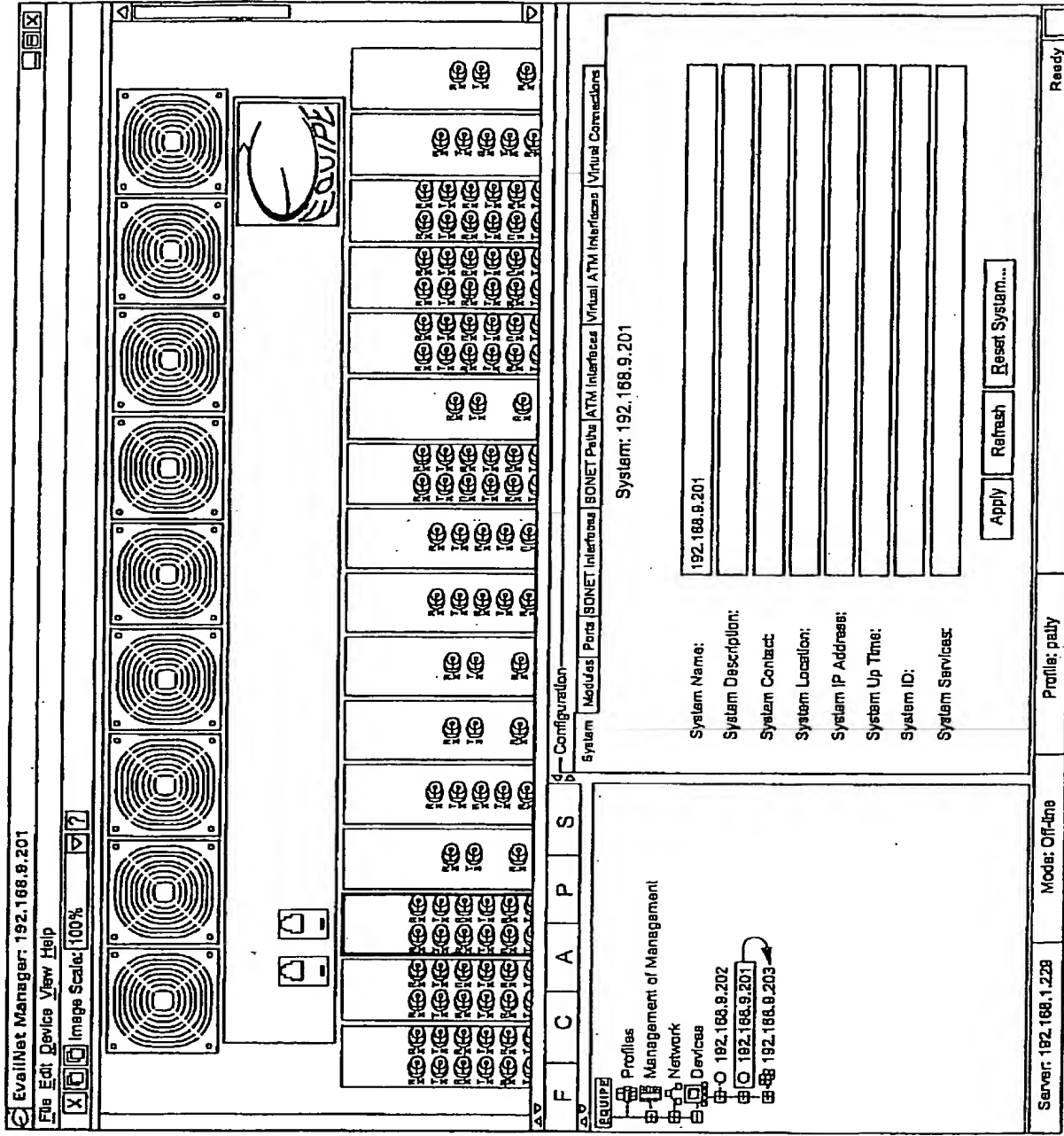


FIG. 60

895

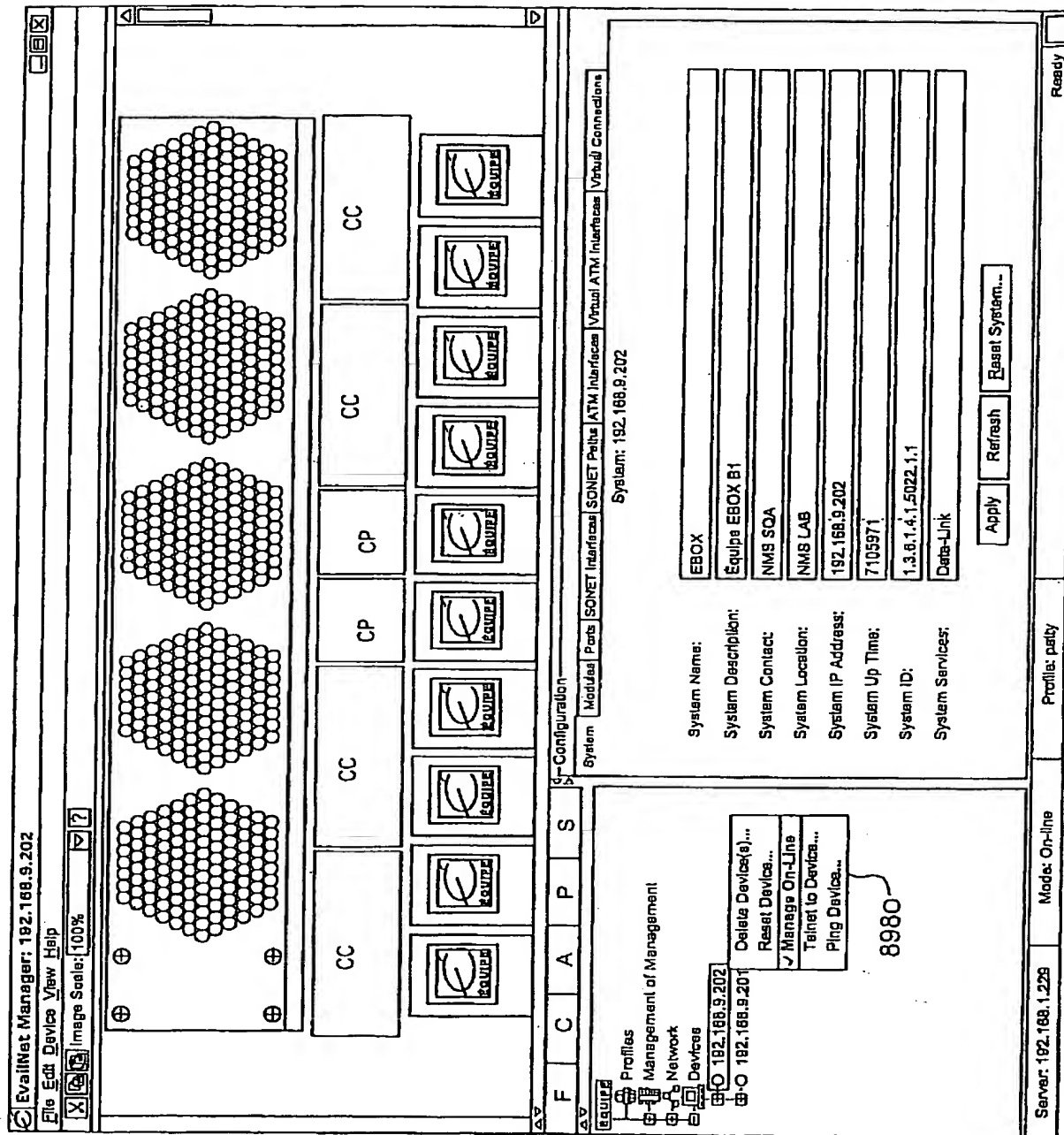


FIG. 6P

895

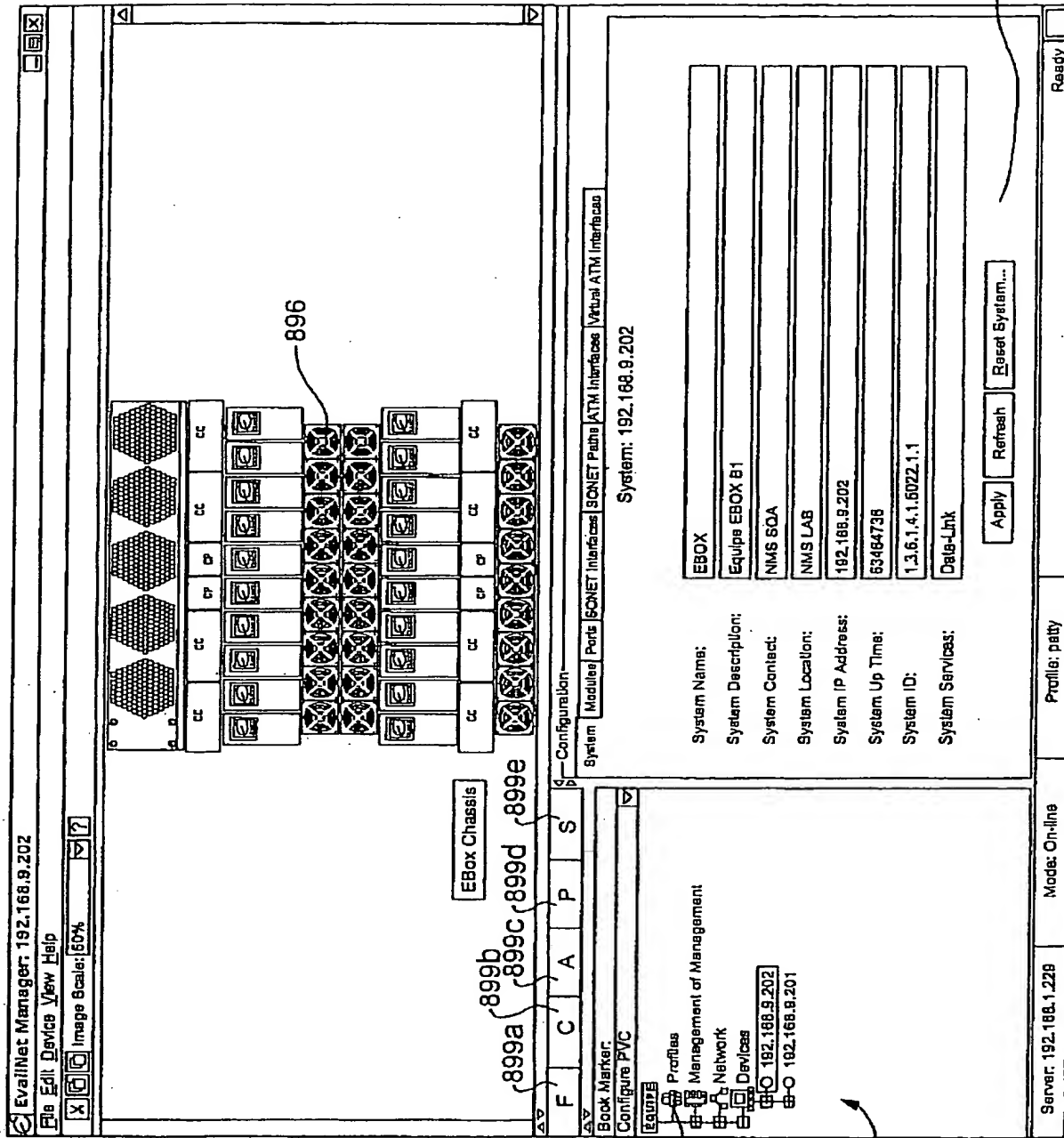


FIG. 7A

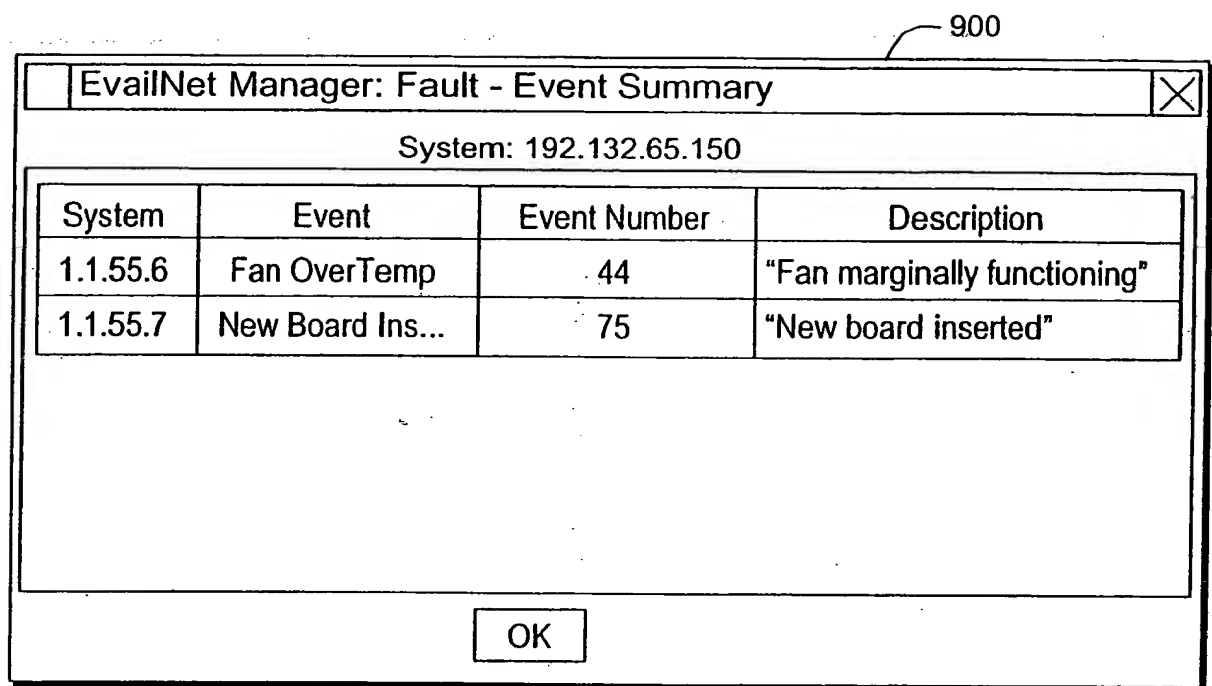
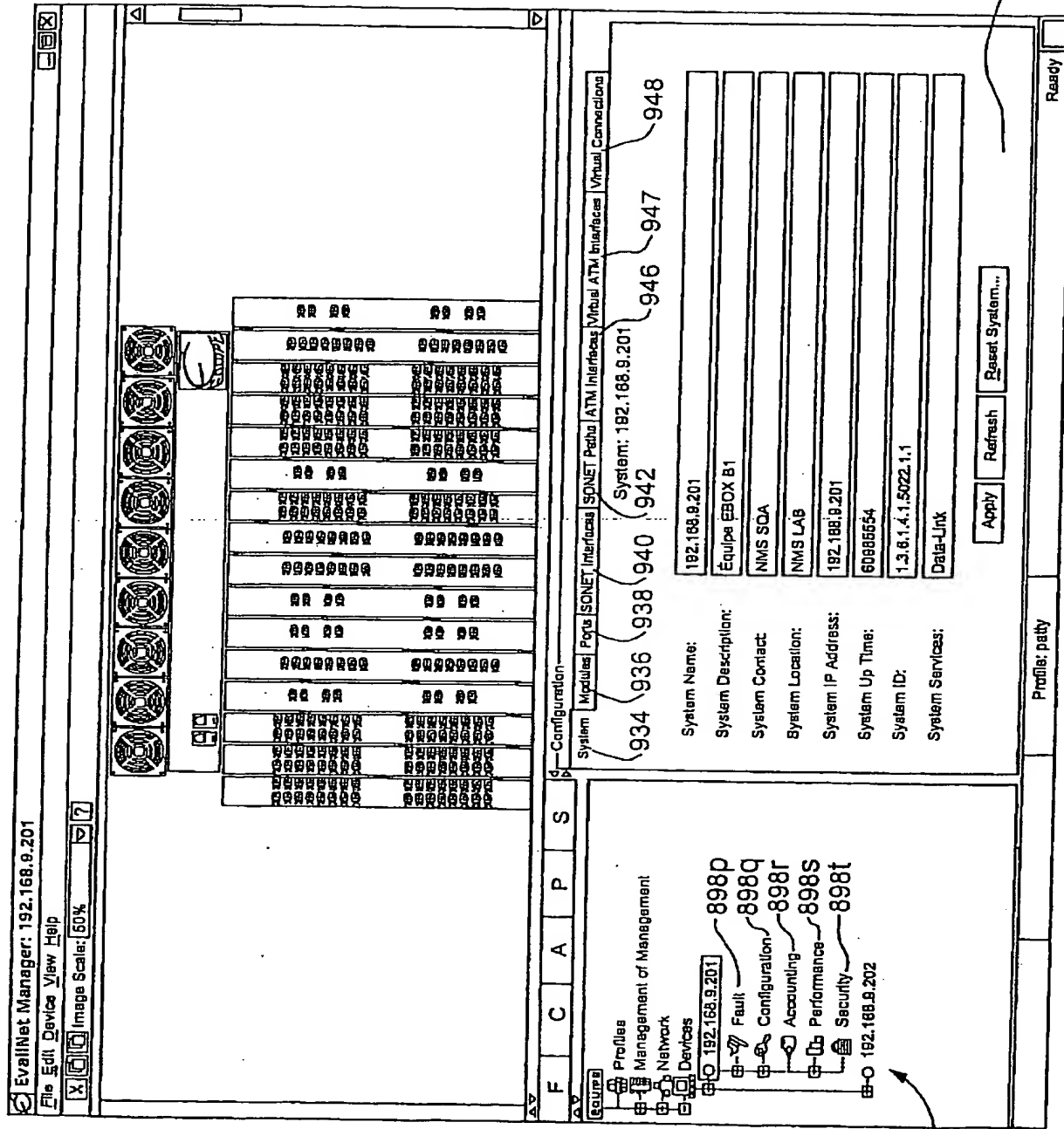


FIG. 7B

EVALINet Manager: 192.168.9.202					
File Edit Device View Help					
Image Scale: 60%					
<div>Security</div> <div>BHMP Configuration Changes System: 192.168.9.202 SHMP Community Strings READ Community: public READ/WRITE Community: public</div> <div>Command Line Interpreter (CLI) Administrator Password: root</div> <div>Apply</div>					
<div>899e S</div> <div>899d P</div> <div>899c A</div> <div>899b C</div> <div>899a F</div>					
<div>Book Marks</div> <div>Configure PVC</div> <div>Profiles</div> <div>Management of Management</div> <div>Server: 192.168.9.202 Mode: On-line Profile:</div>					

FIG. 7C

895



898

897

FIG. 7D



FIG. 7E



FIG. 7G

895 →

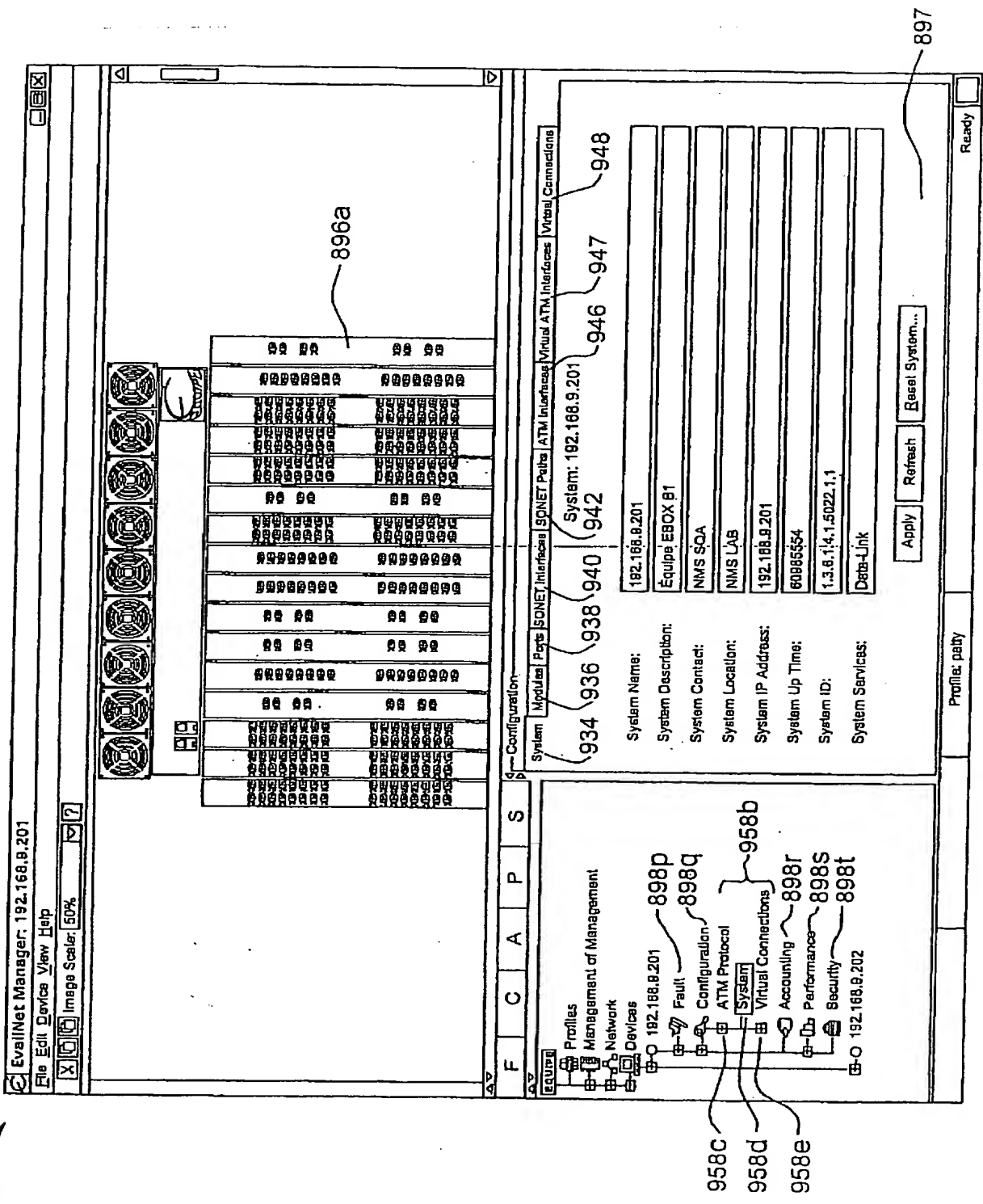


FIG. 7H



FIG. 7J

FIG. 7K

895

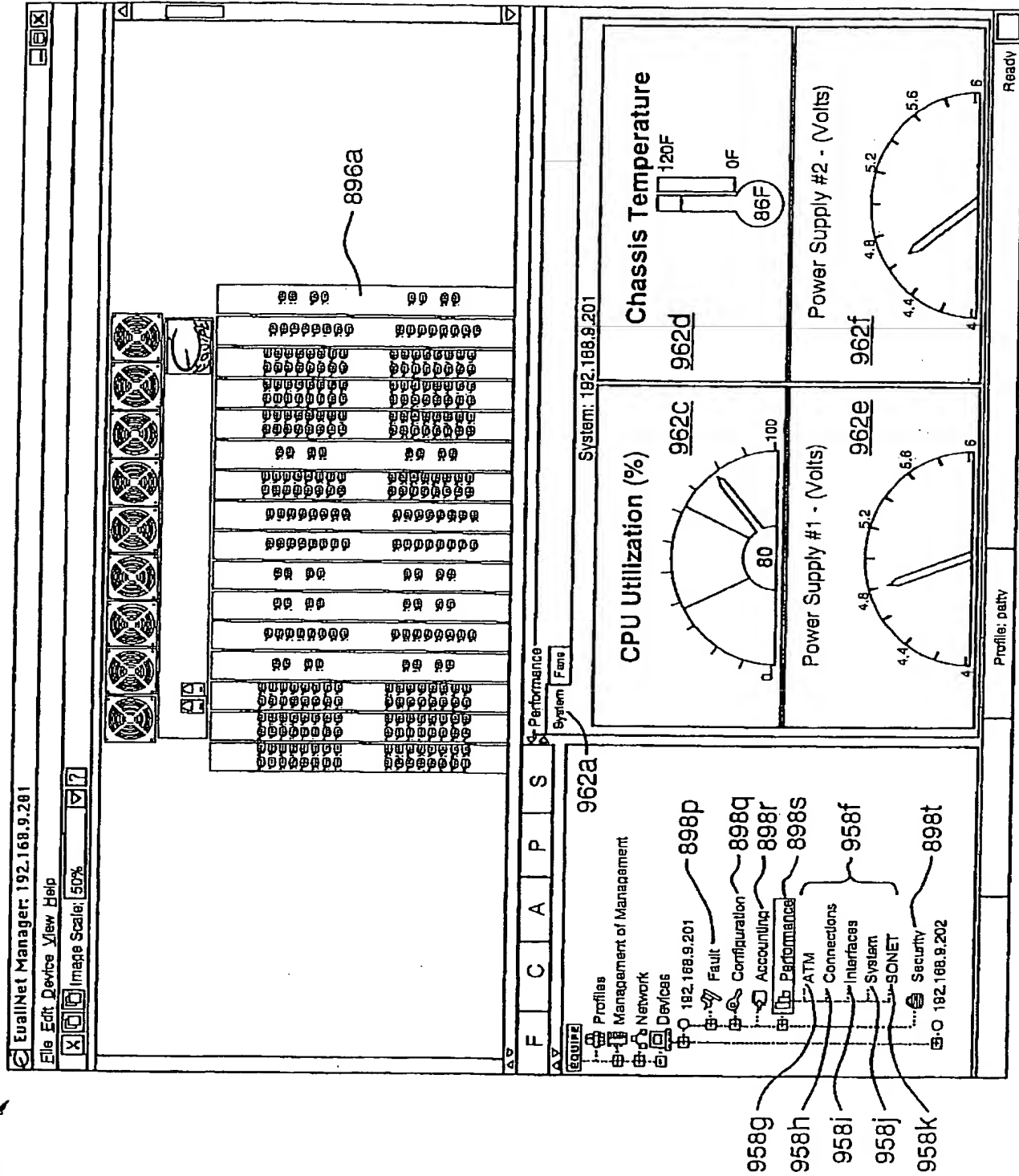


FIG. 7M

895

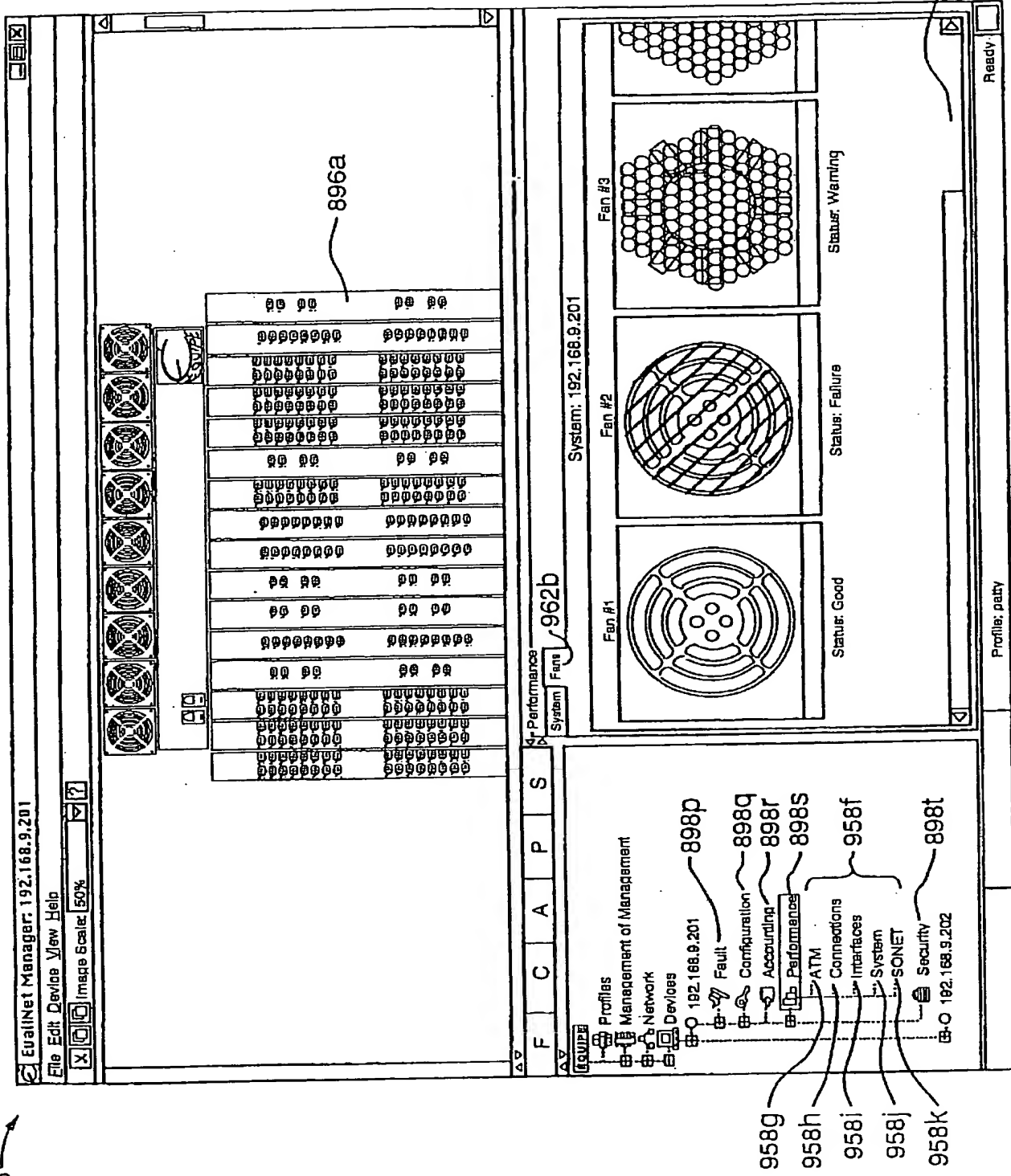


FIG. 7N

FIG. 70

895

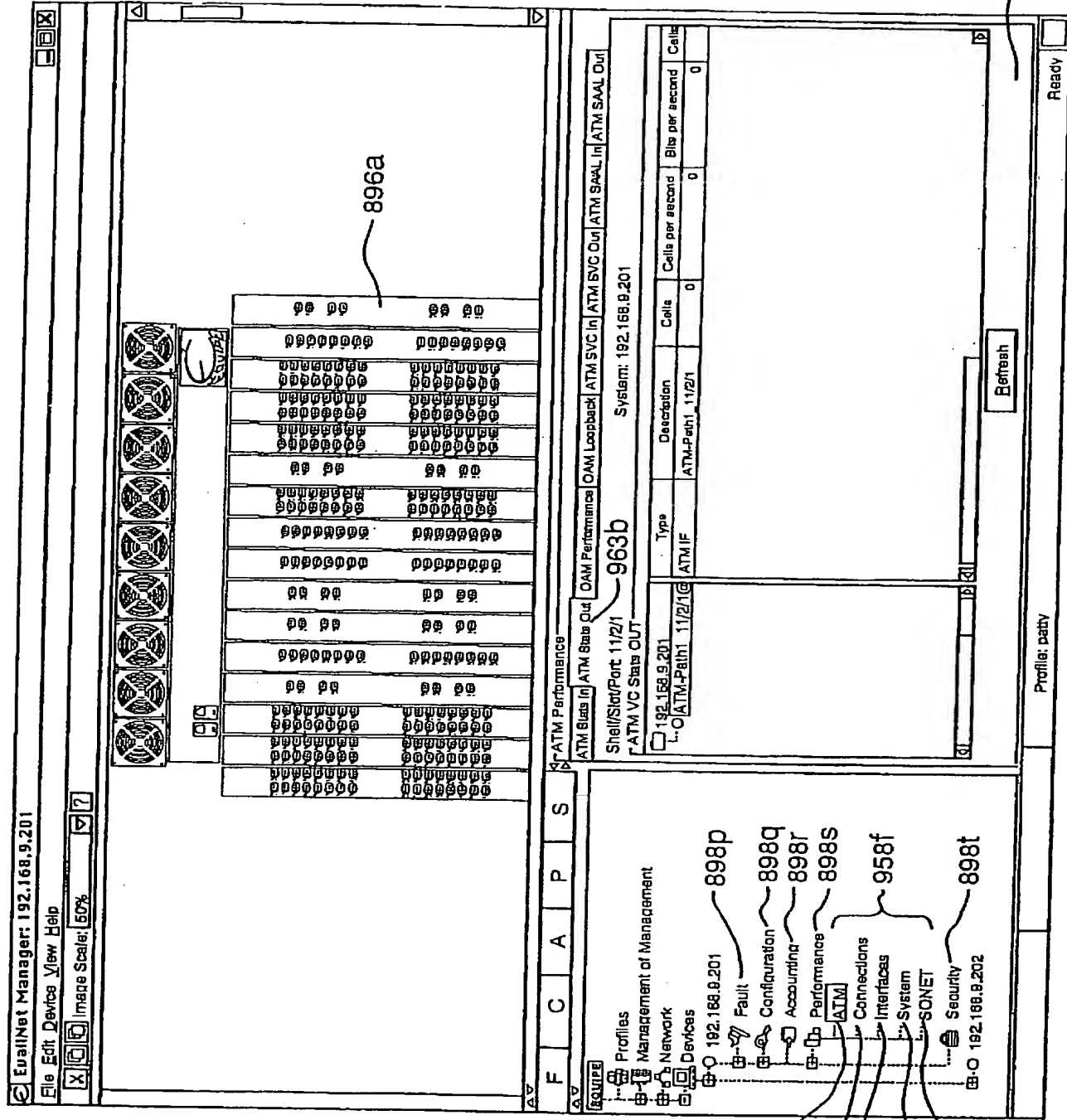


FIG. 7P

897

895

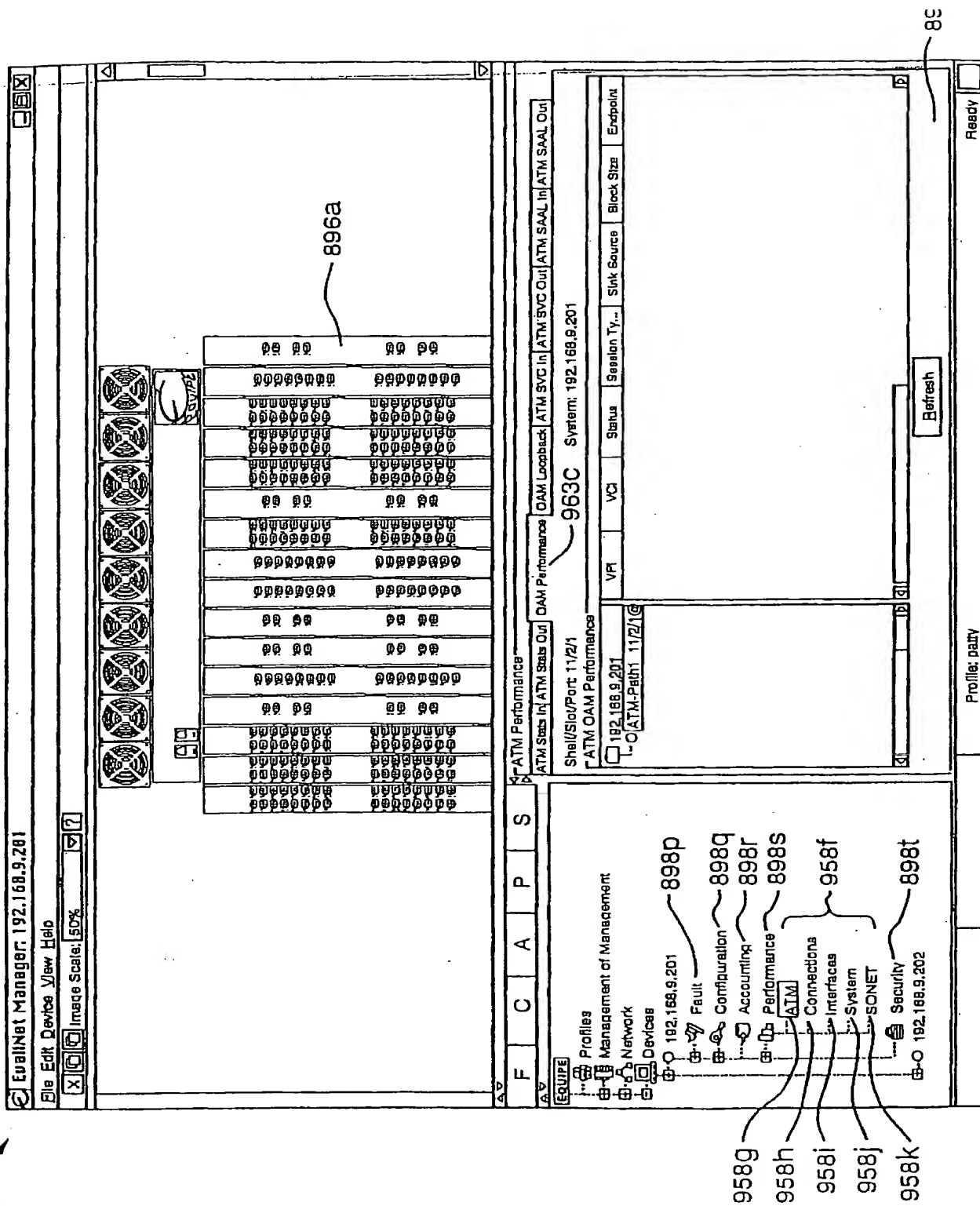


FIG. 7Q

895

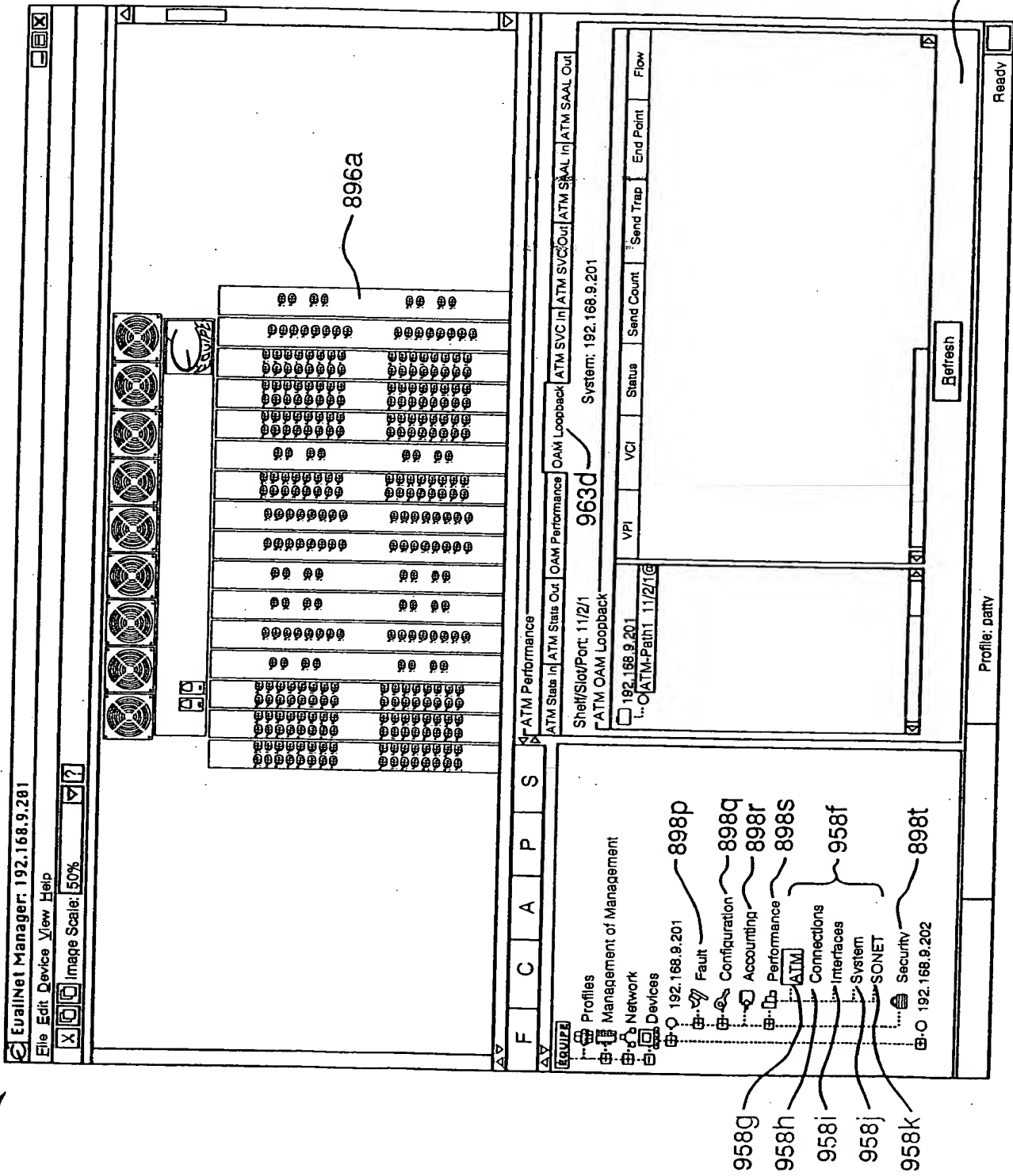
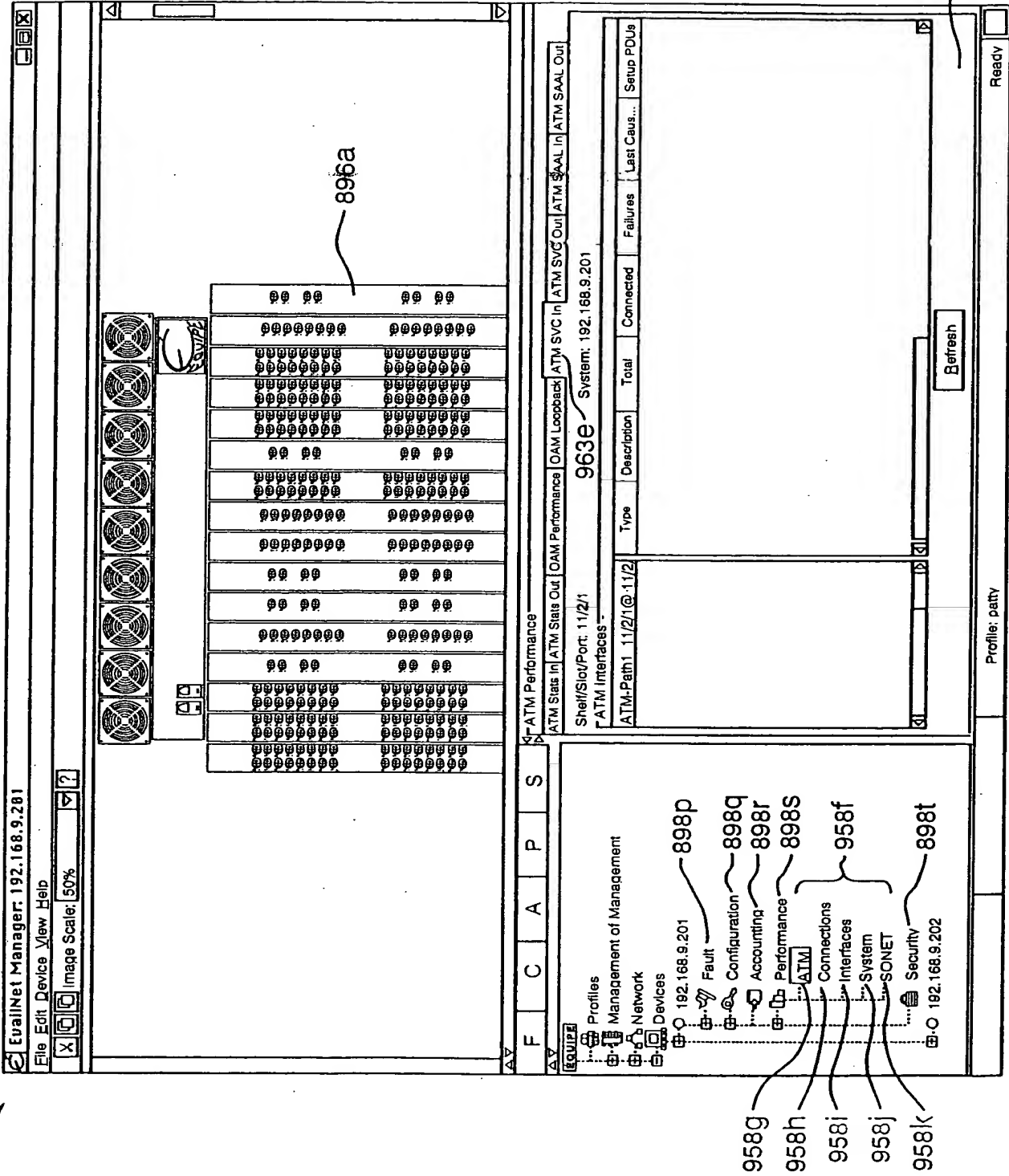


FIG. 7R

895



897

FIG. 7S

895

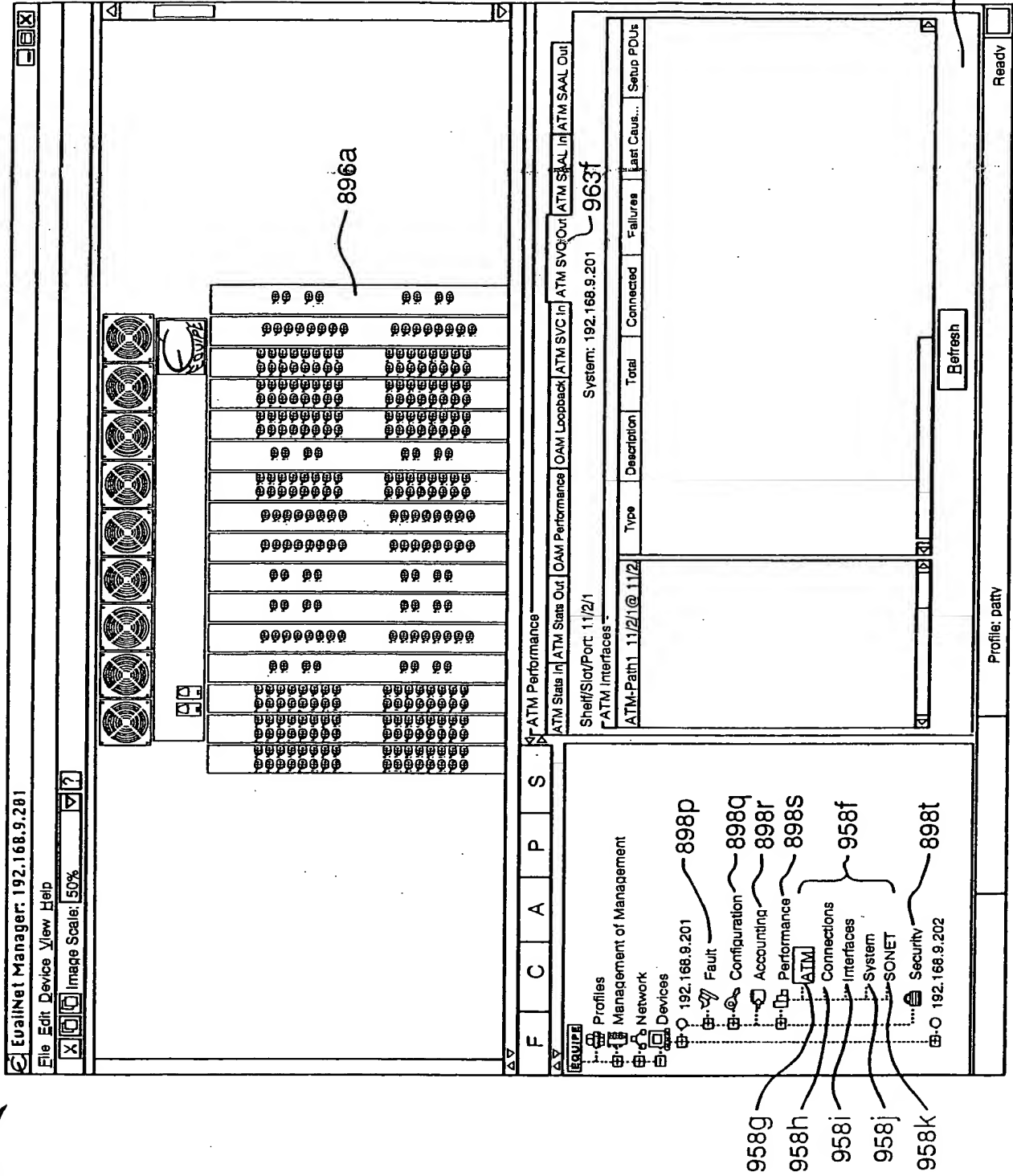


FIG. 7T

895

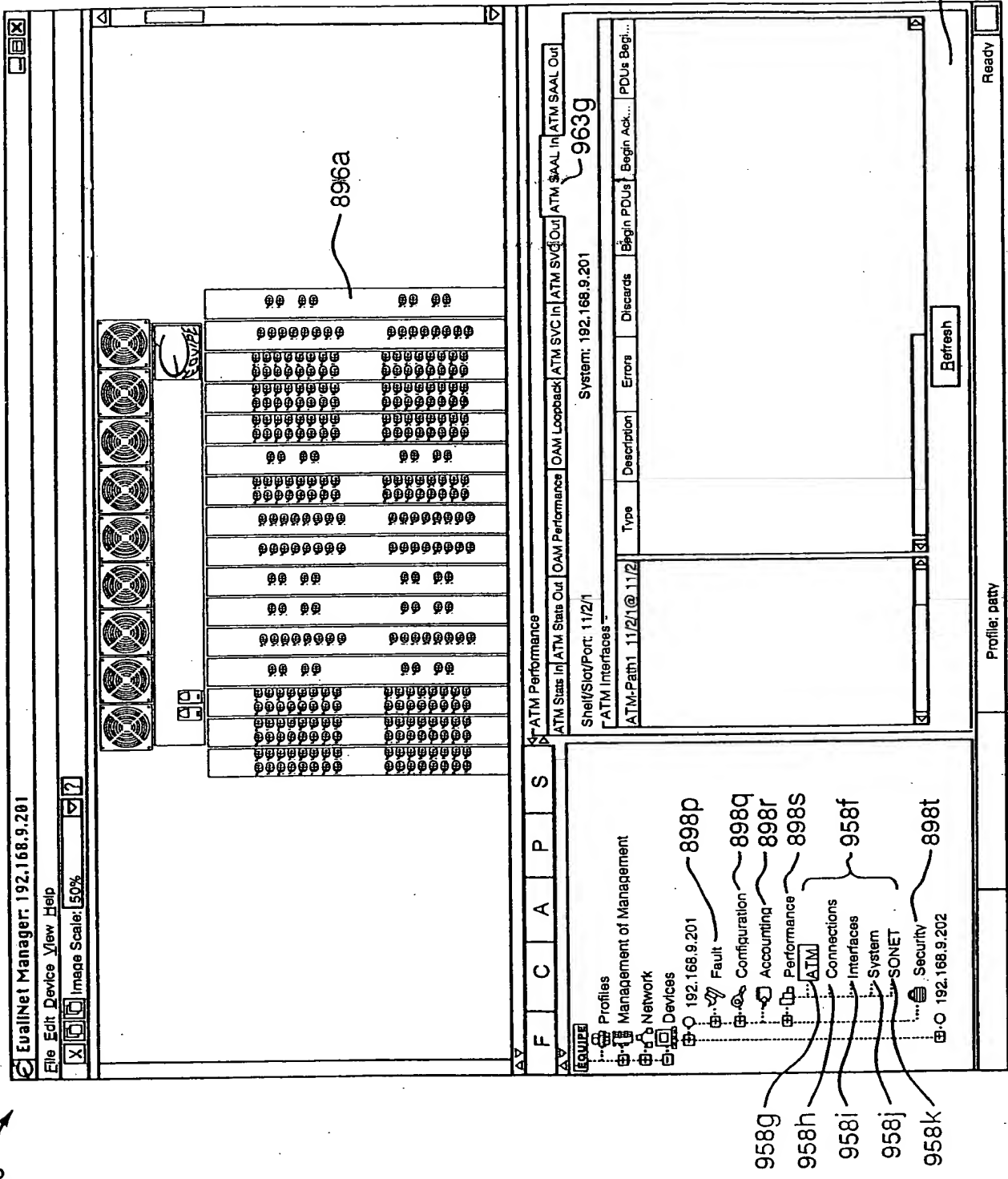


FIG. 7U

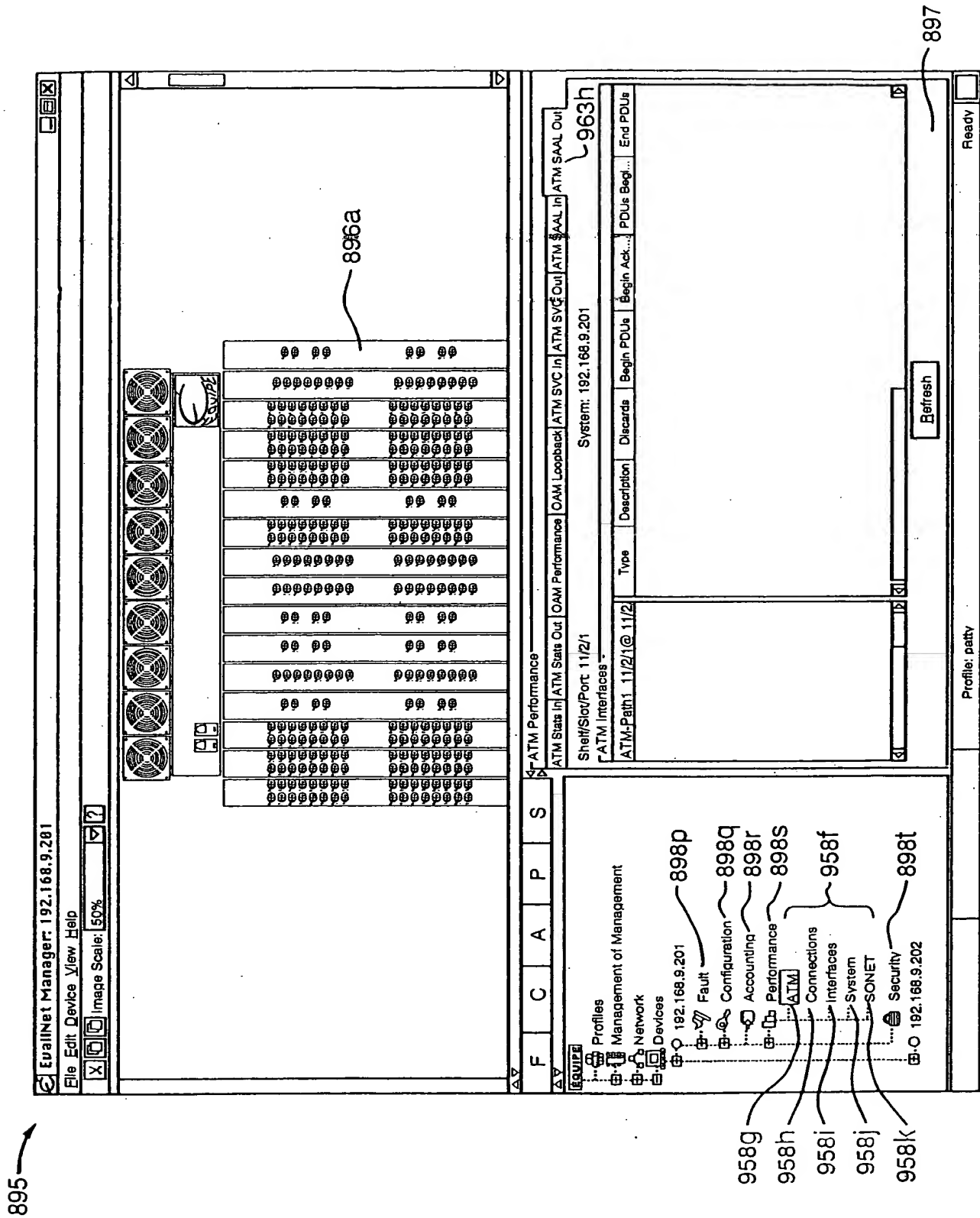


FIG. 7V

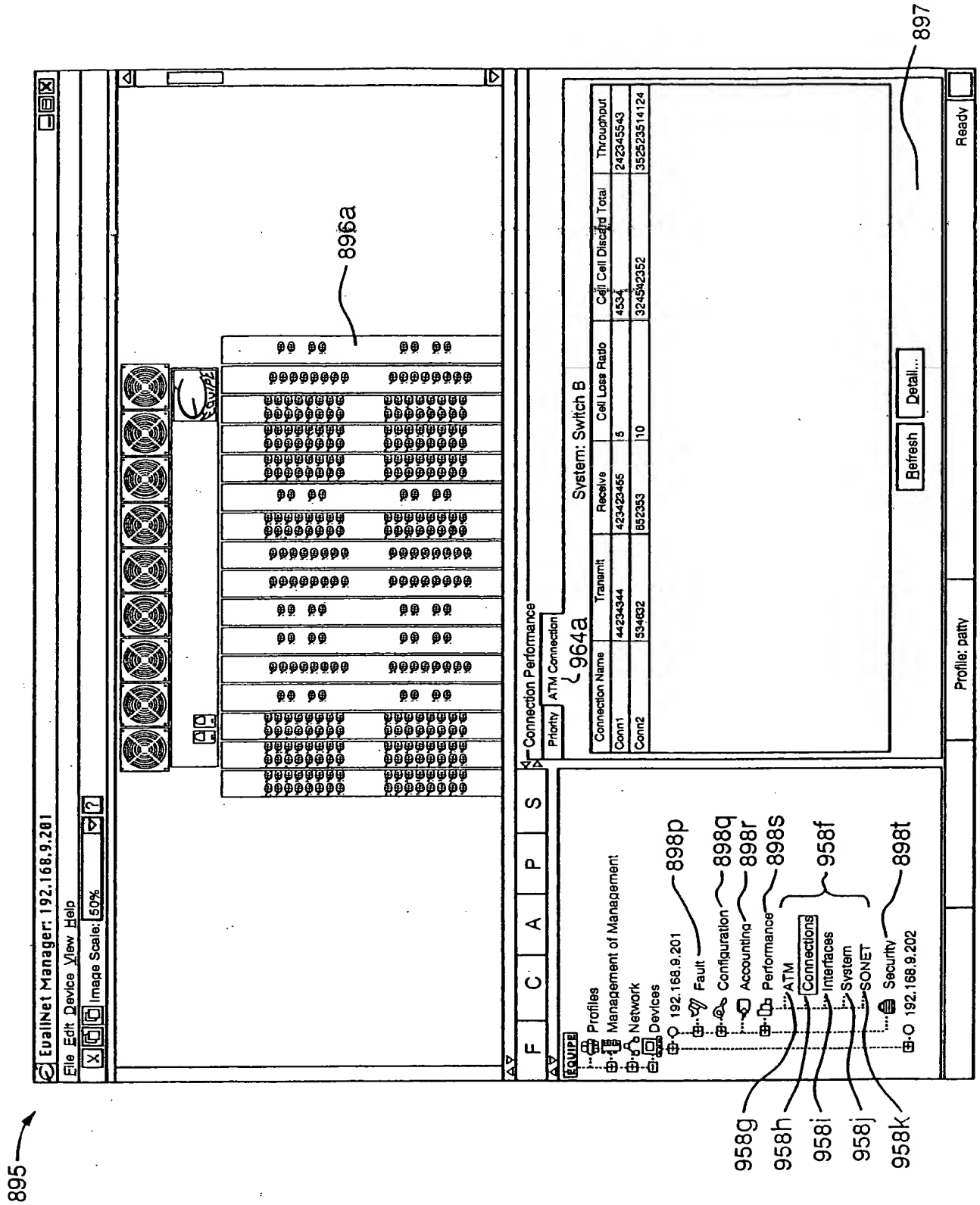


FIG. 7W

895

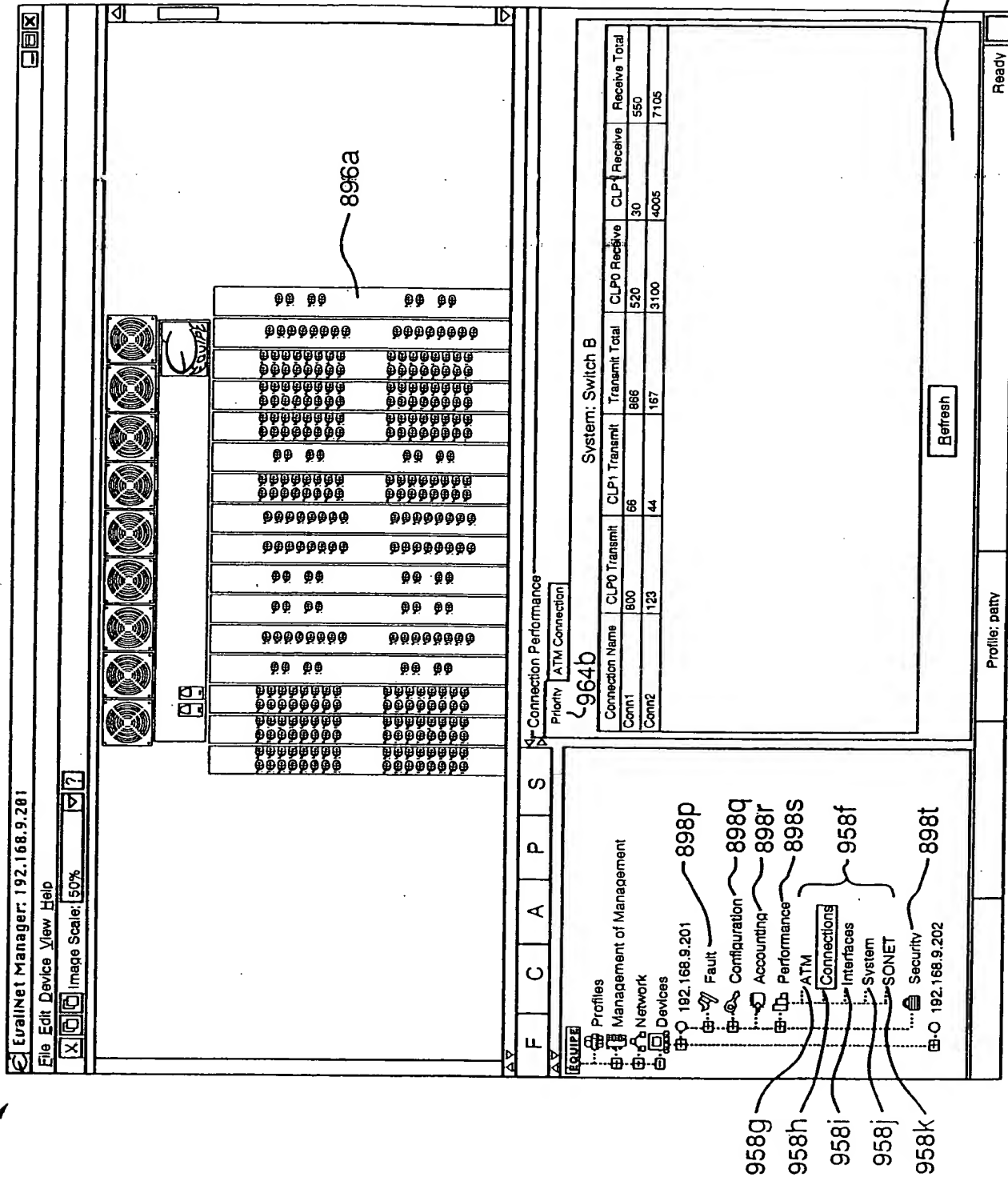


FIG. 7X

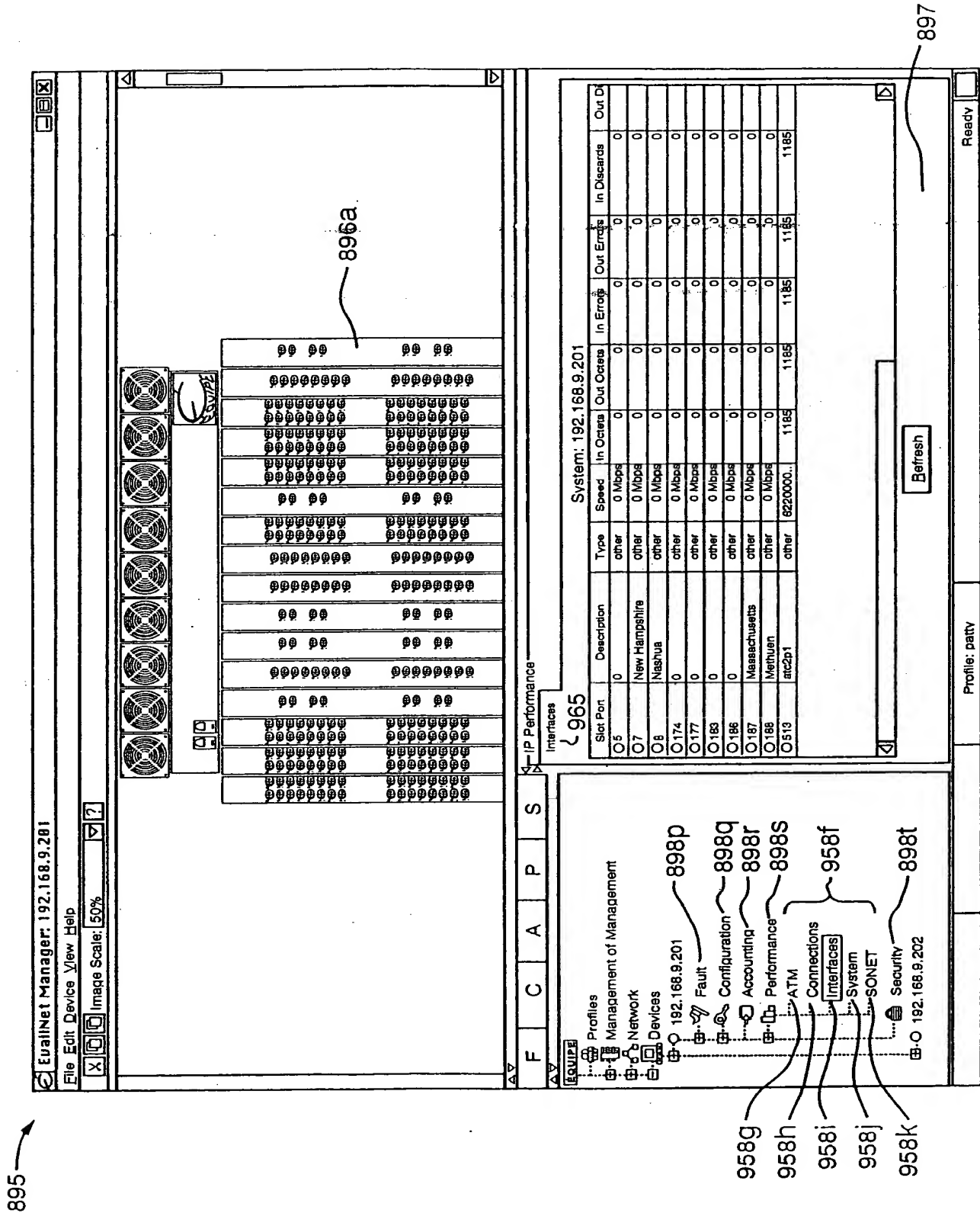


FIG. 7Y

FIG. 8A

895

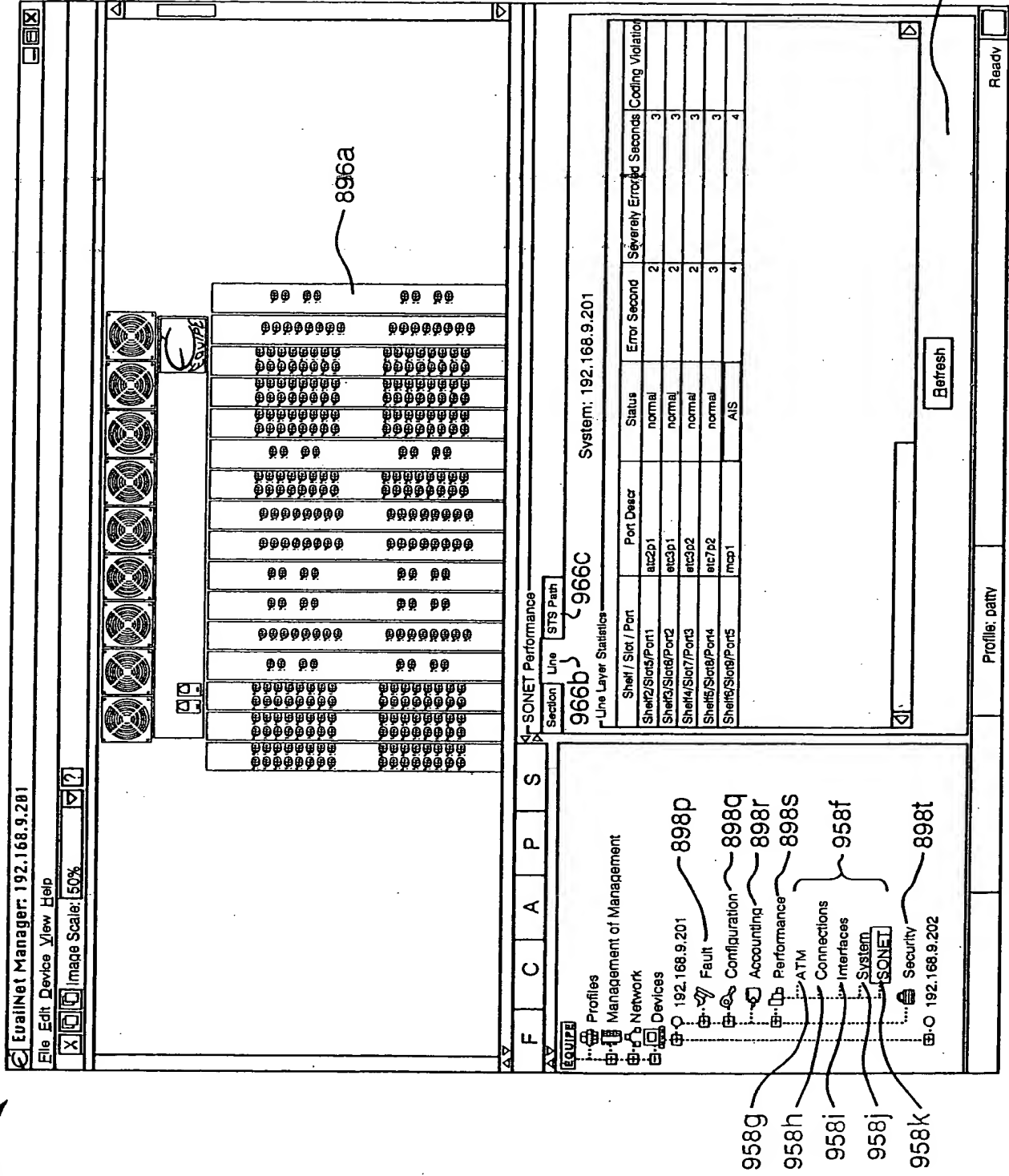


FIG. 8B

895

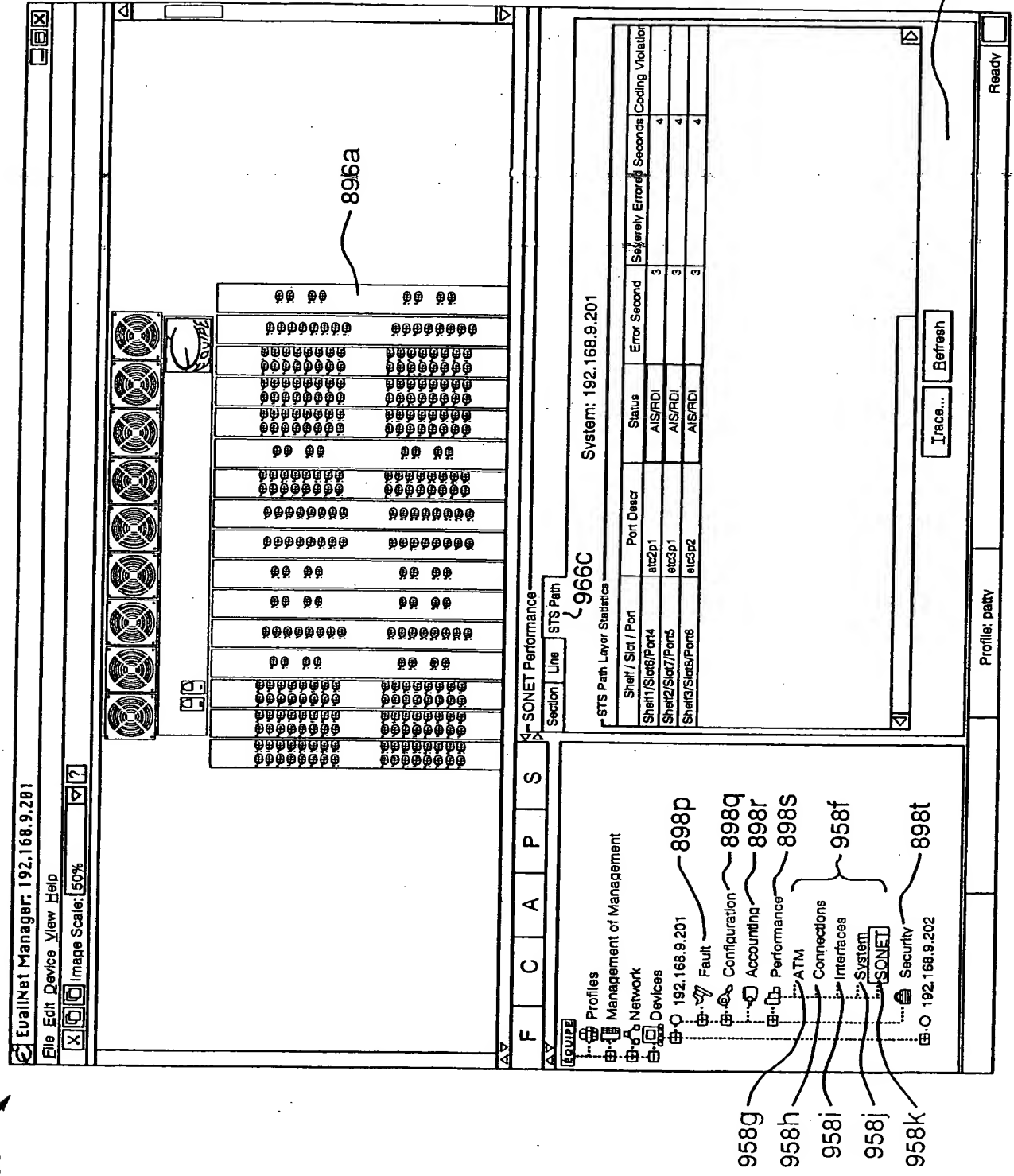
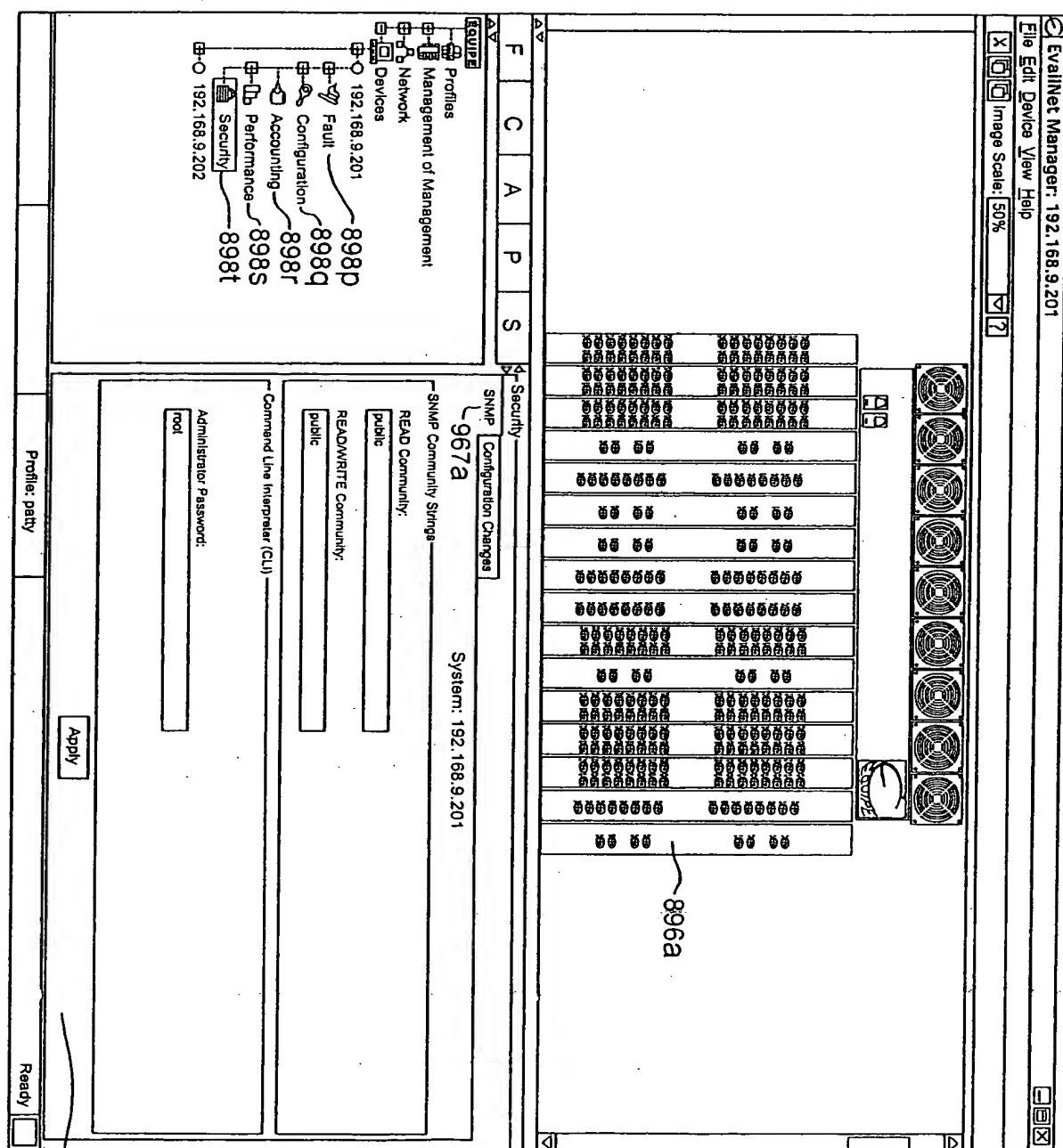


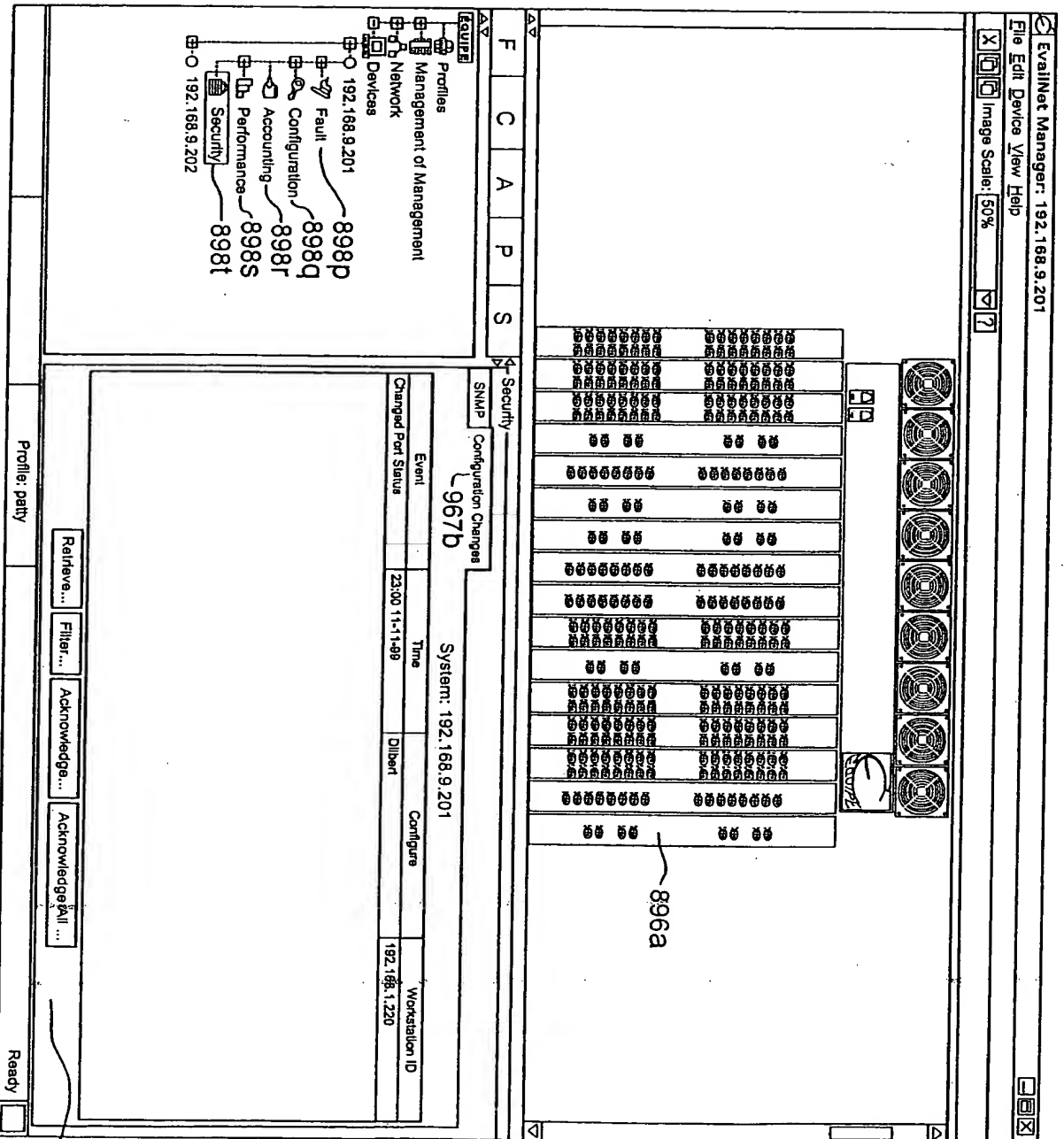
FIG. 8C

895

FIG. 8D



895



897

FIG. 8E

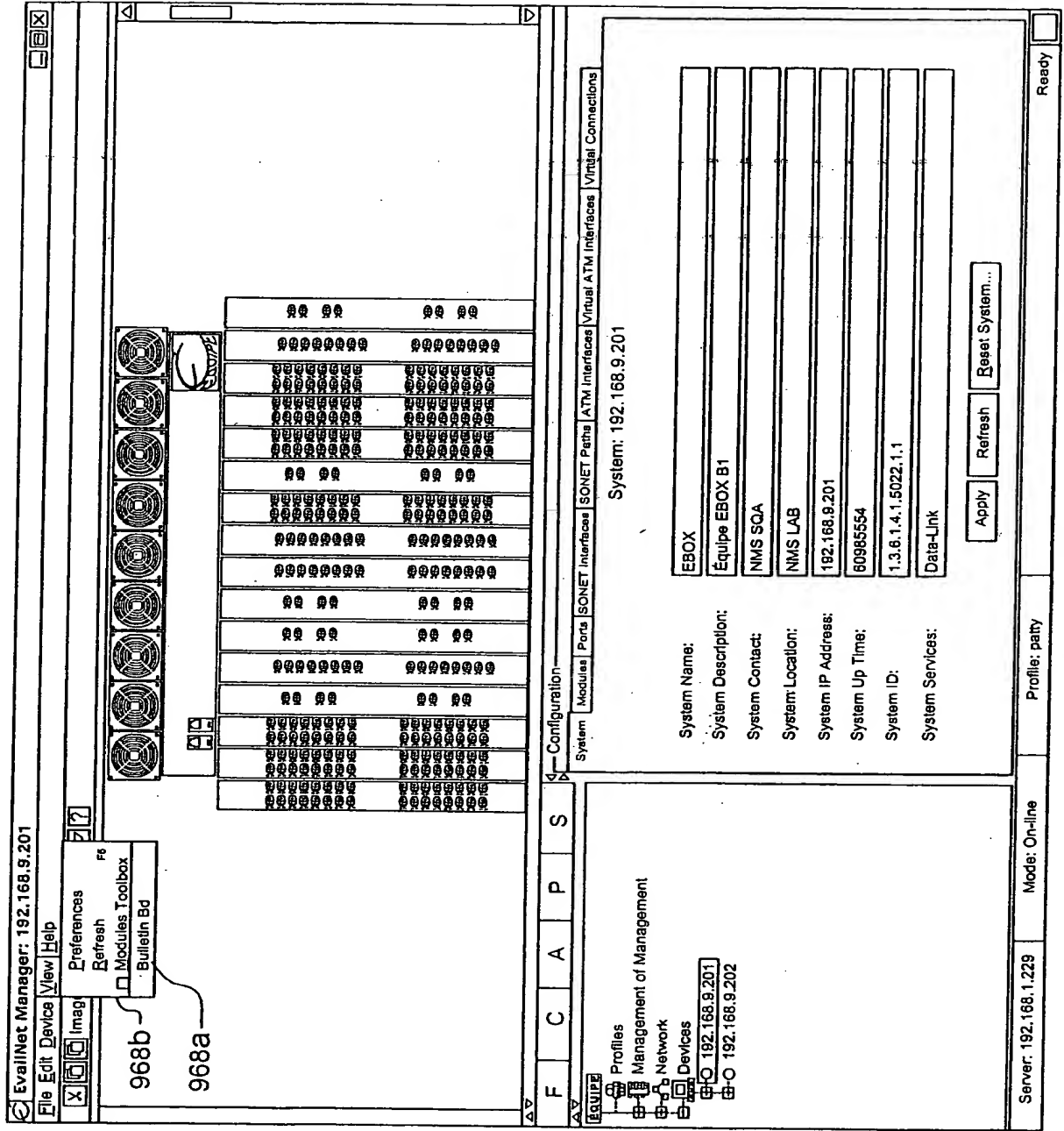


FIG. 9A

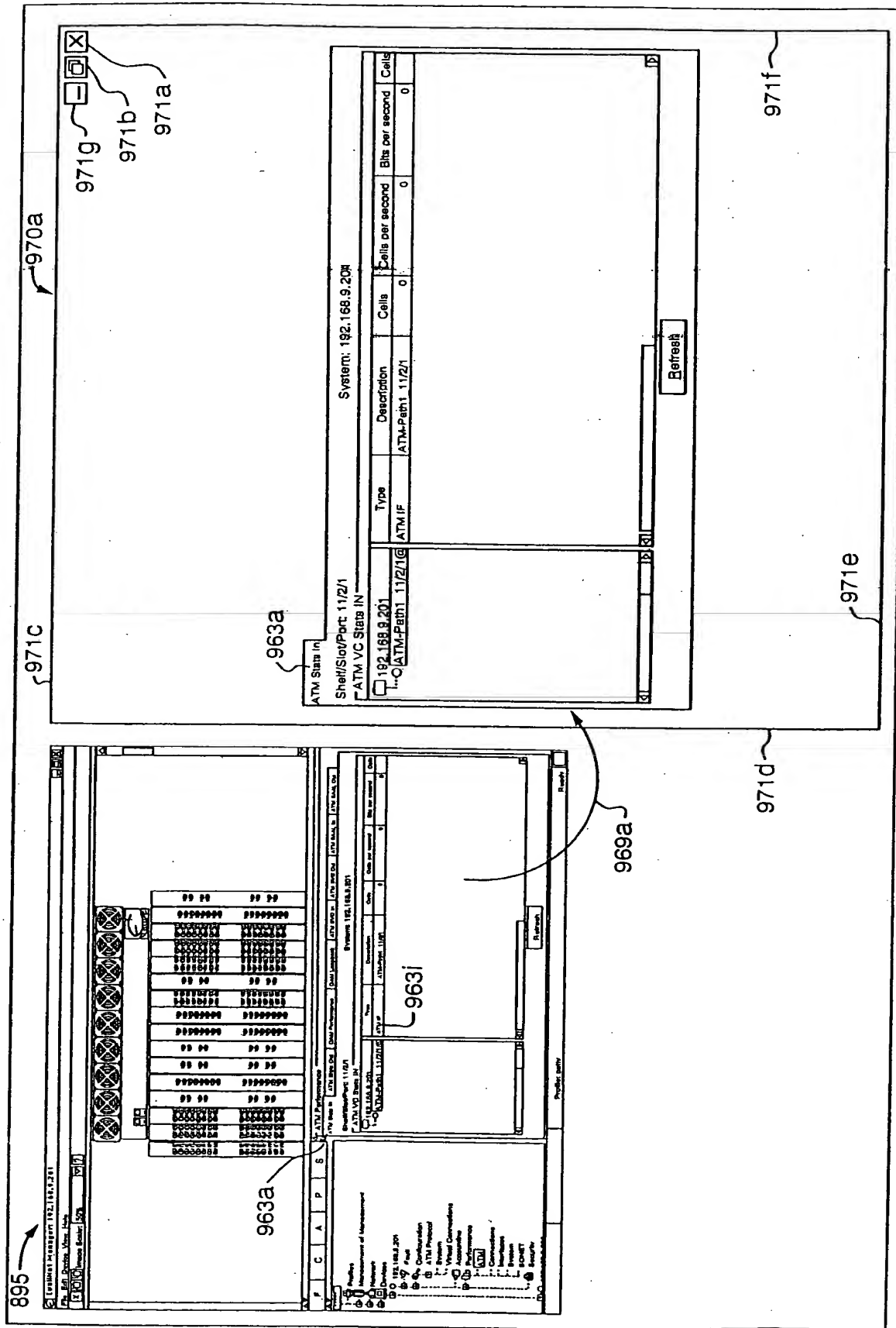


FIG. 9B

895

Cellular Manager 172.168.9.201
File Edit Database View Help
[Icons] System Status 100%

ATM Status In

Shell/Slot/Port 11/2/1
ATM VC Stats IN

192.168.9.201
1-0-ATM-Path1 11/2/1

Type	Description	Cells	Cells per second	Bits per second	Cells
ATMIF	ATM-Path1 11/2/1	0	0	0	0

Refresh

ATM Status Out

Shell/Slot/Port 11/2/1
ATM VC Stats IN

192.168.9.201
1-0-ATM-Path1 11/2/1

Type	Description	Cells	Cells per second	Bits per second	Cells
ATMIF	ATM-Path1 11/2/1	0	0	0	0

Refresh

963b

971c 970a 971g 971b 971a

963a

System: 192.168.9.201

Shell/Slot/Port 11/2/1

ATM VC Stats IN

192.168.9.201
1-0-ATM-Path1 11/2/1

Type	Description	Cells	Cells per second	Bits per second	Cells
ATMIF	ATM-Path1 11/2/1	0	0	0	0

Refresh

963b

971g 971b 971a

System: 192.168.9.201

Shell/Slot/Port 11/2/1

ATM VC Stats IN

192.168.9.201
1-0-ATM-Path1 11/2/1

Type	Description	Cells	Cells per second	Bits per second	Cells
ATMIF	ATM-Path1 11/2/1	0	0	0	0

971e

Refresh

971f

971d

969b

FIG. 9C

969C-

[illegible][illegible][illegible]

FIG. 9D

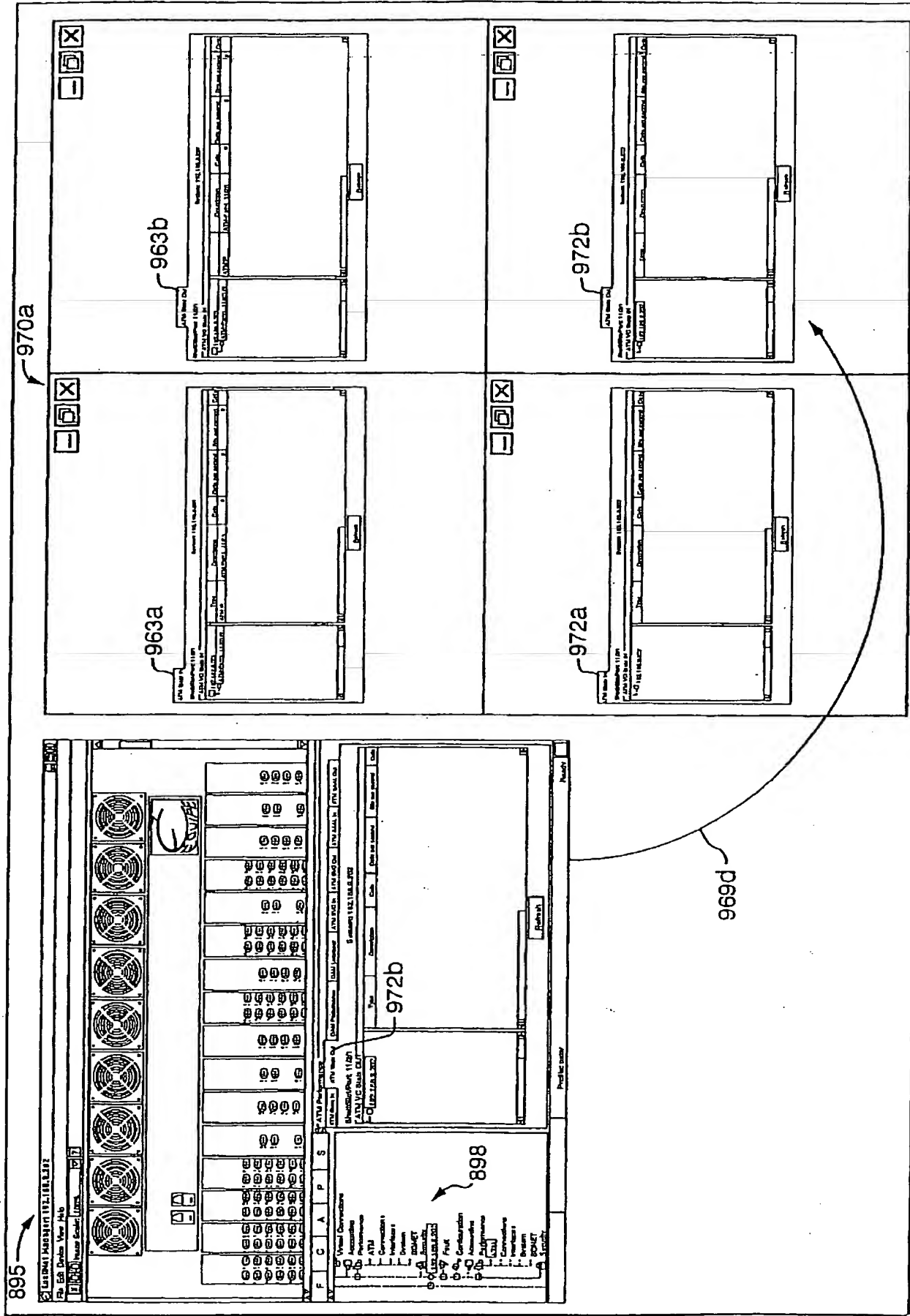


FIG. 9E

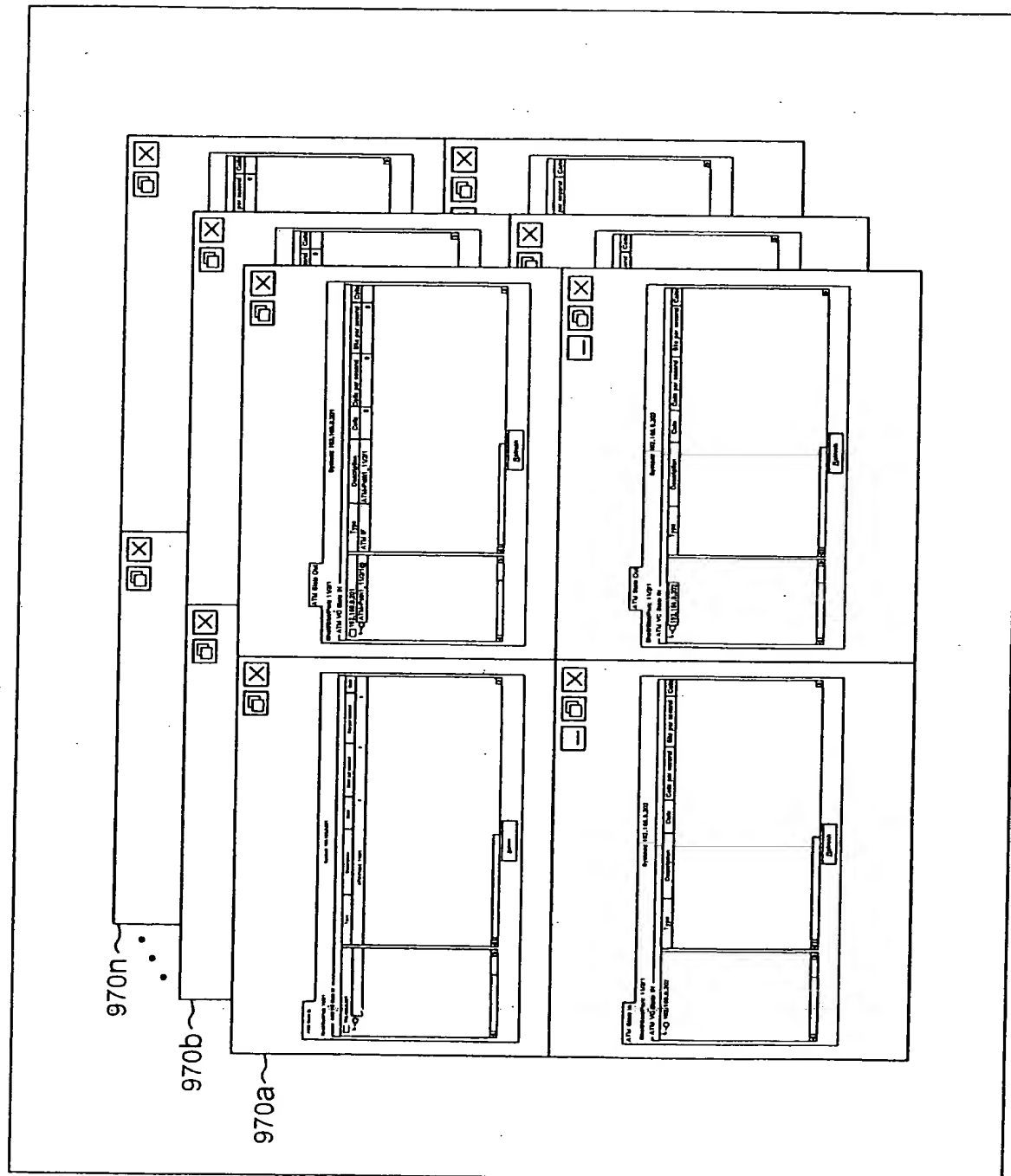


FIG. 9F

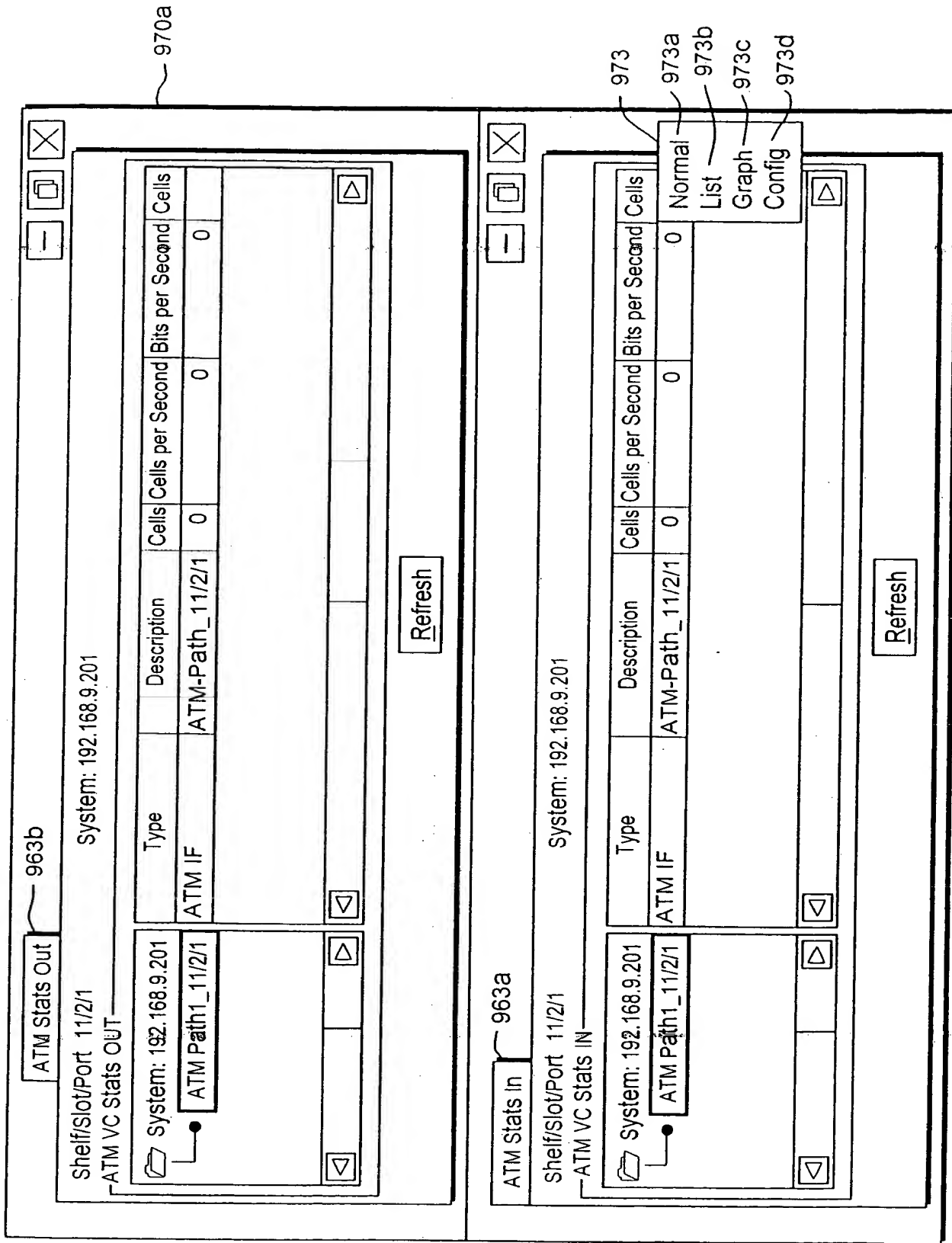


FIG. 9G

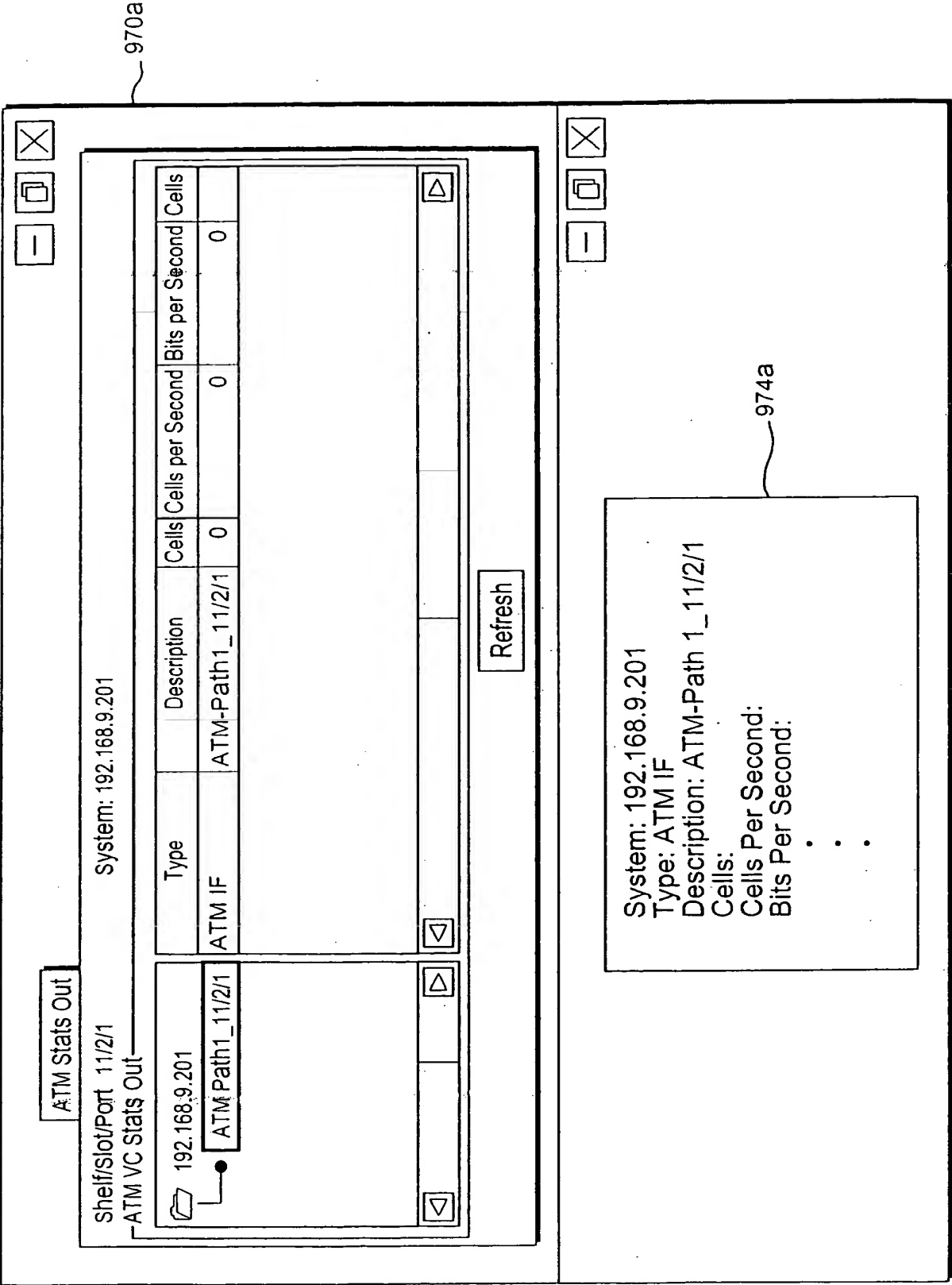


FIG. 9H

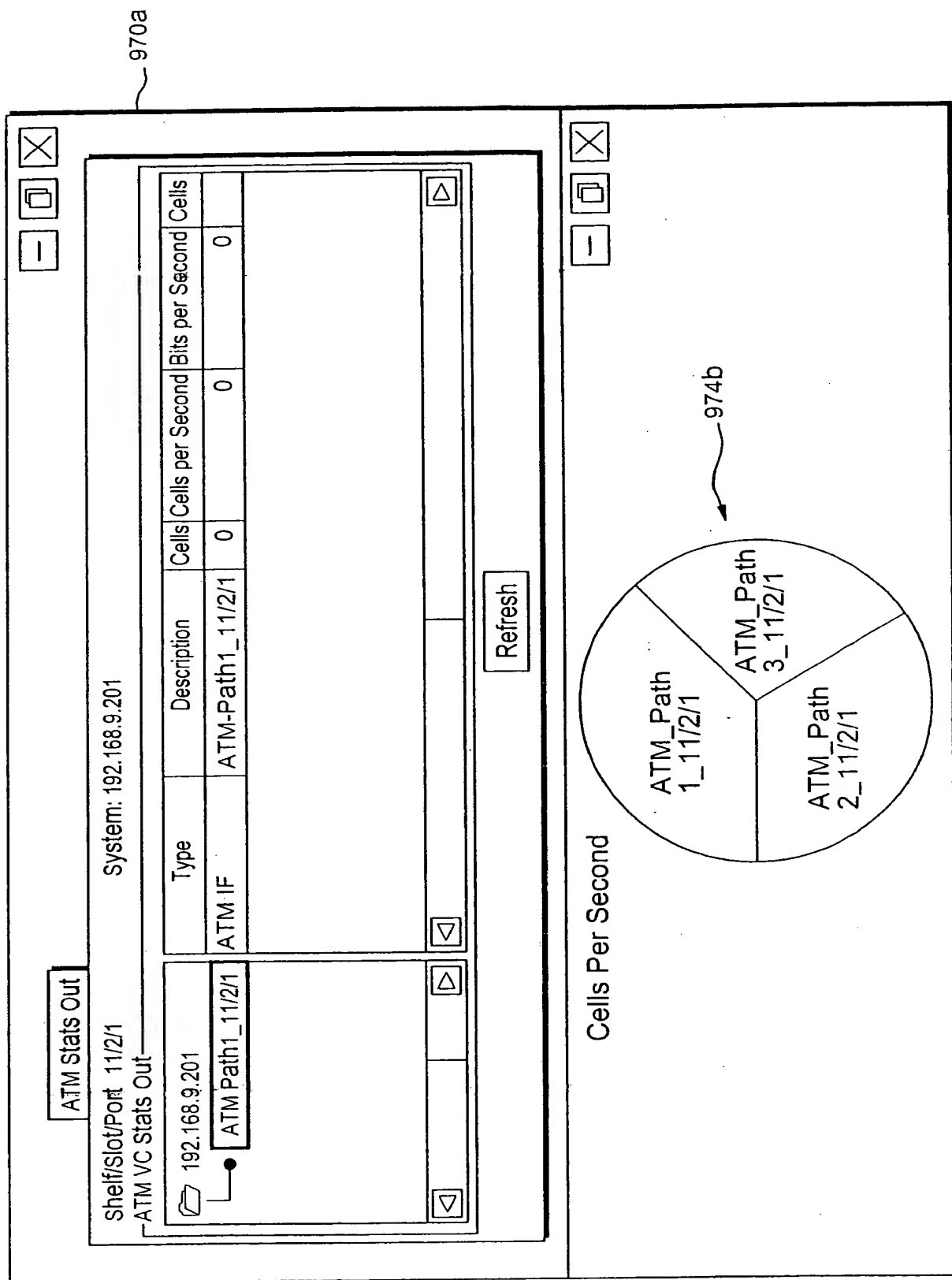


FIG. 91

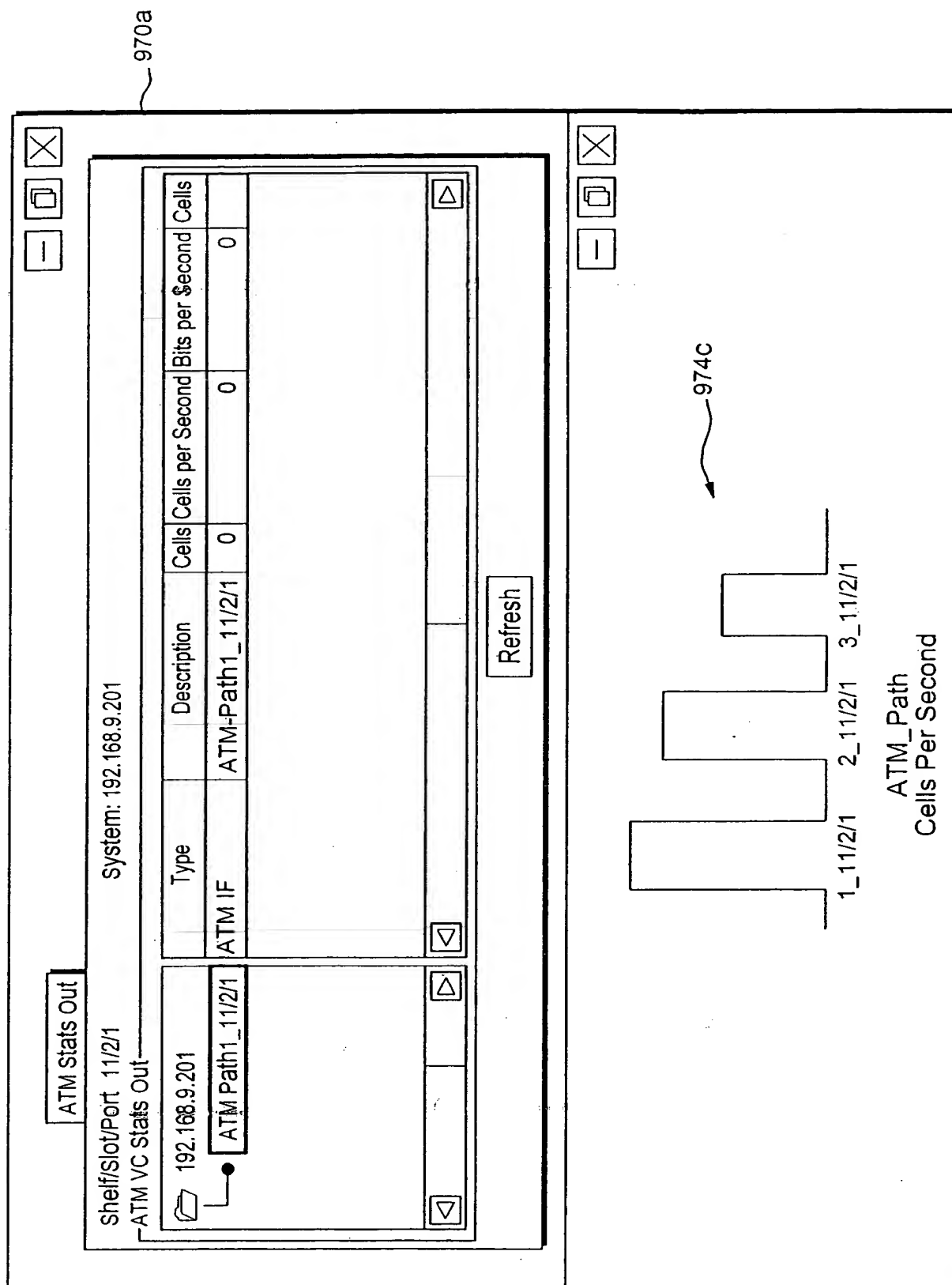


FIG. 9J

ATM Stats Out

Shelf/Slot/Port: 11/2/1 System: 192.168.9.201

-ATM VC Stats OUT-

System: 192.168.9.201

ATM Path1_11/2/1

Type	Description	Cells	Cells per Second	Bits per Second	Cells
ATM IF	ATM-Path_11/2/1	0	0	0	0

Refresh

ATM Interface Properties - 192.168.9.202

Shelf/Slot/Port: 11/4/1 Path Name: Path2_11/2/1

ATM Properties

Name	ATM-Path_11/2/1
Minimum VPI bits	1
Maximum VPI bits	8
Minimum VCI bits	5
Maximum VCI bits	16

OK Cancel

<input checked="" type="checkbox"/> ATM Interface Properties - 192.168.9.202	
Shelf/Slot/Port: 11/4/1	Path Name: Path2_11/2/1
ATM Properties	
Name	ATM-Path_11/2/1
Minimum VPI bits	1
Maximum VPI bits	8
Minimum VCI bits	5
Maximum VCI bits	16
<div> <input type="button" value="OK"/> <input type="button" value="Cancel"/> </div>	

FIG. 9K

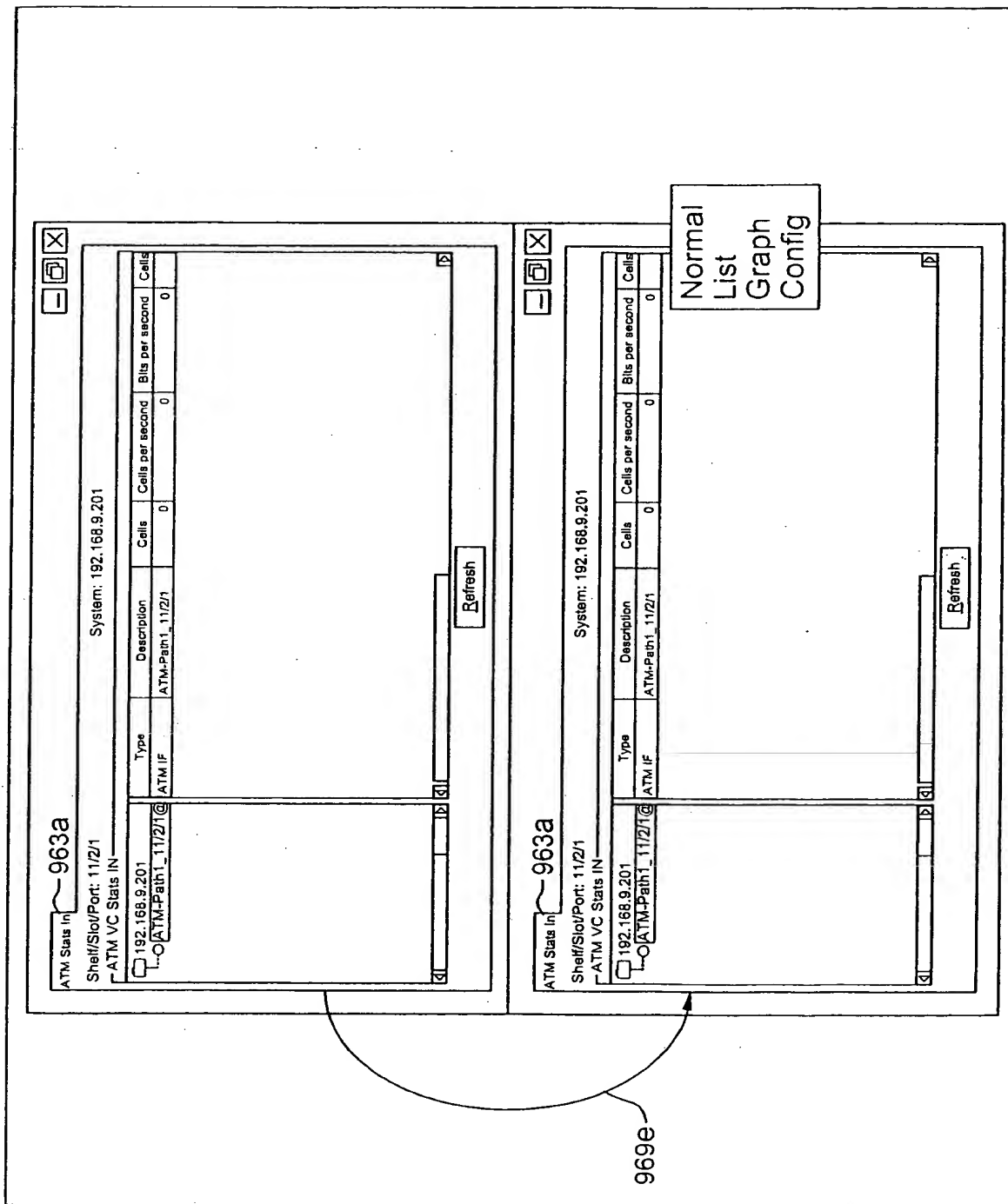
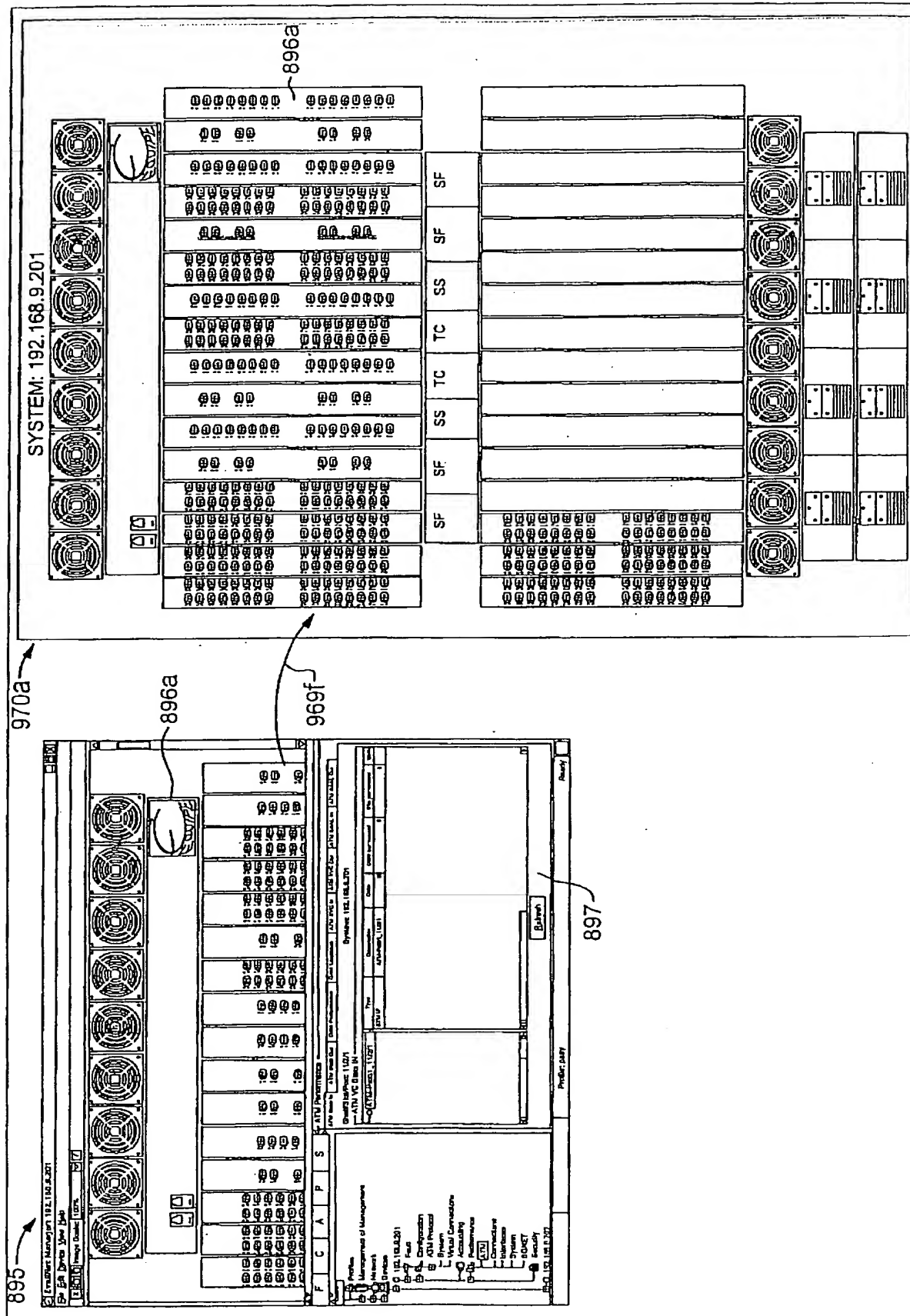


FIG. 9L



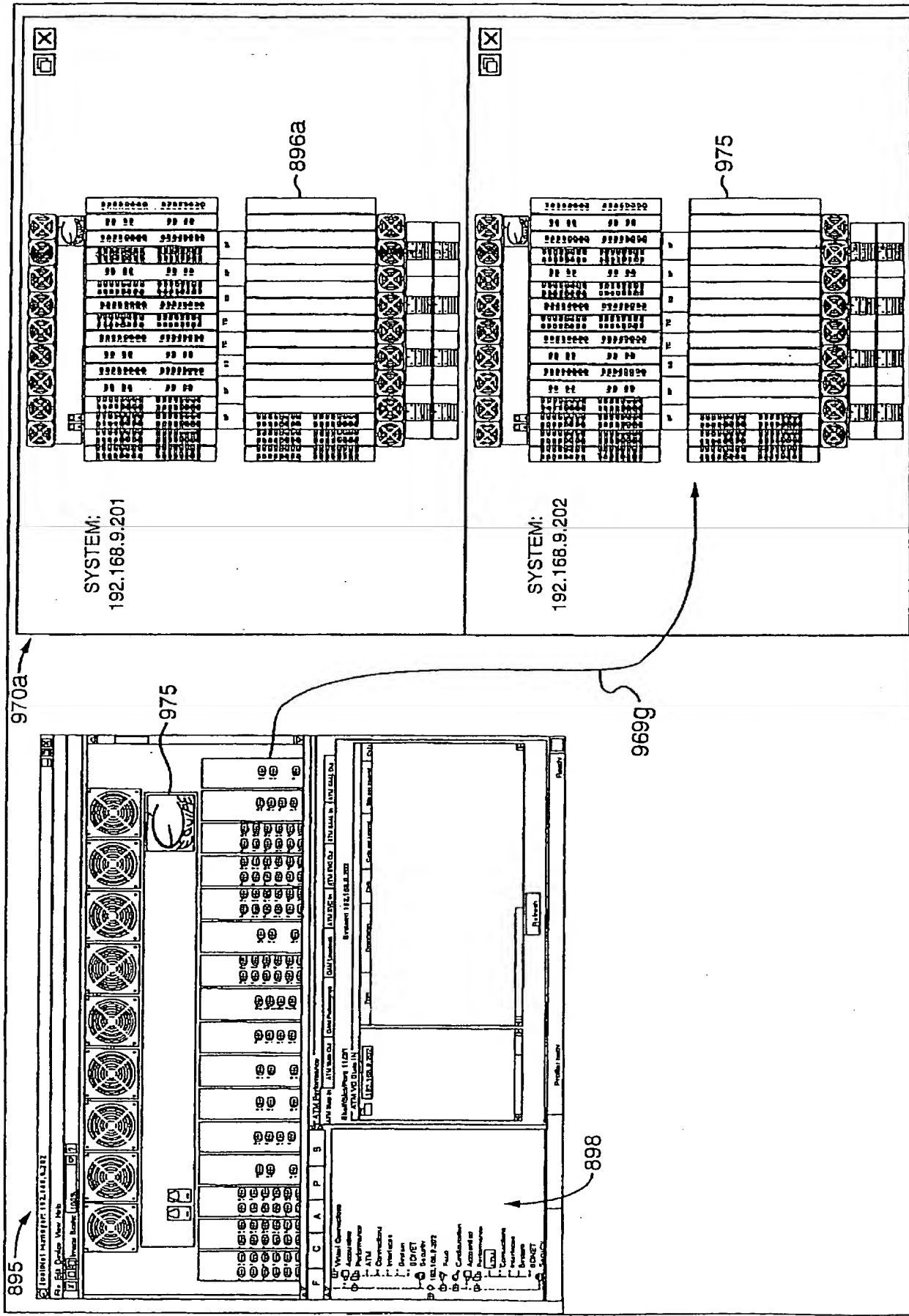


FIG. 9N

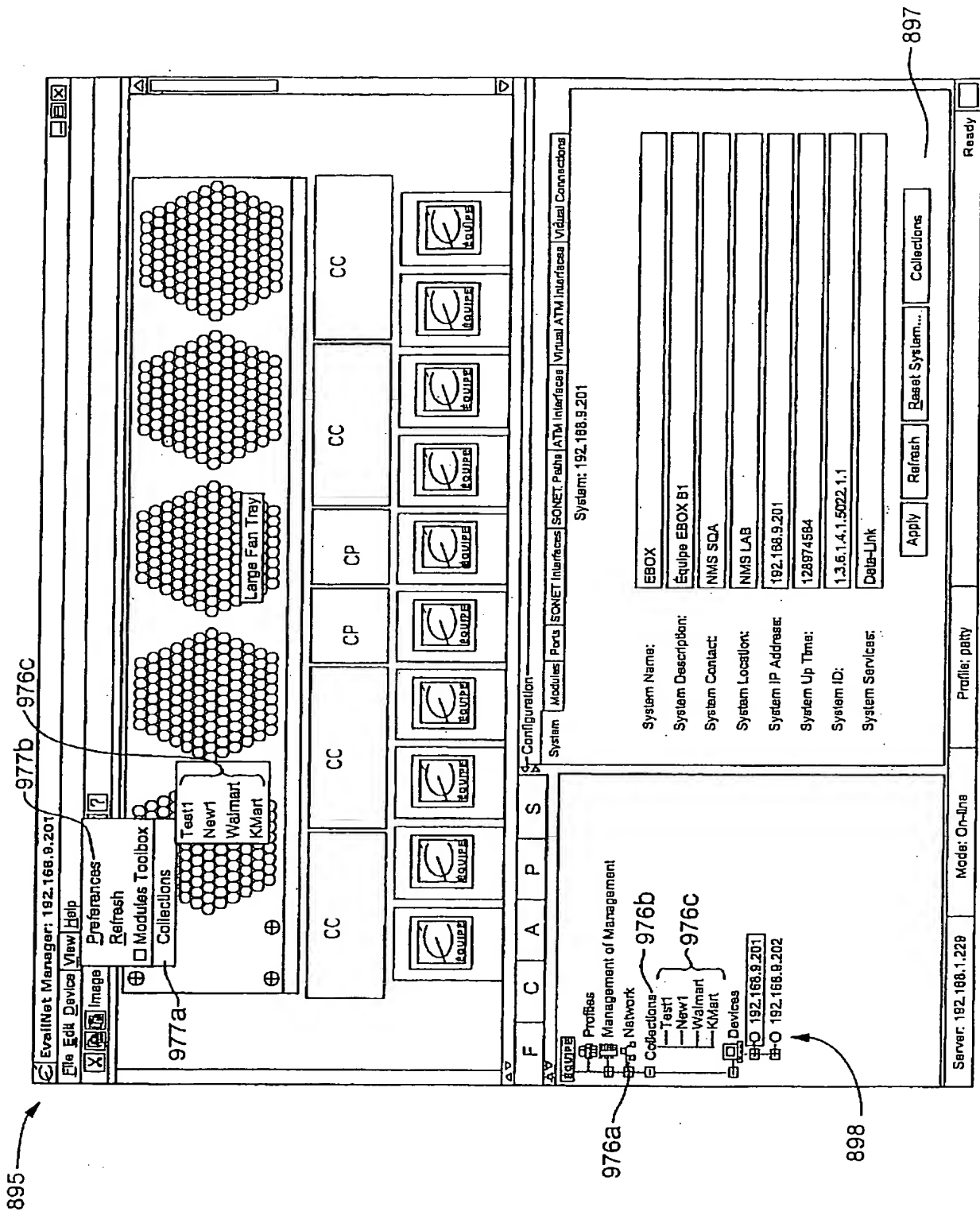
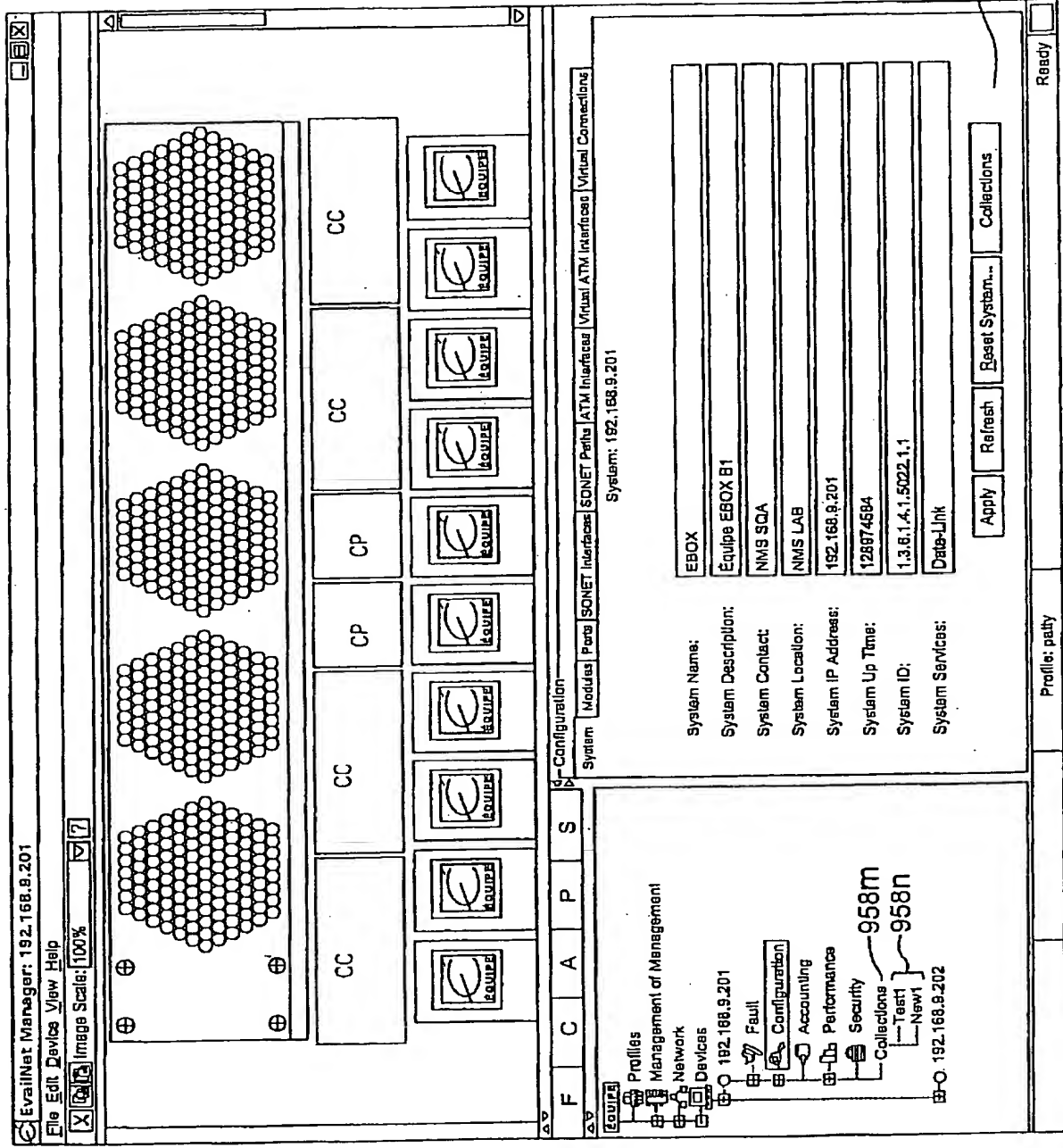


FIG. 10A

895



897

FIG. 10B

895

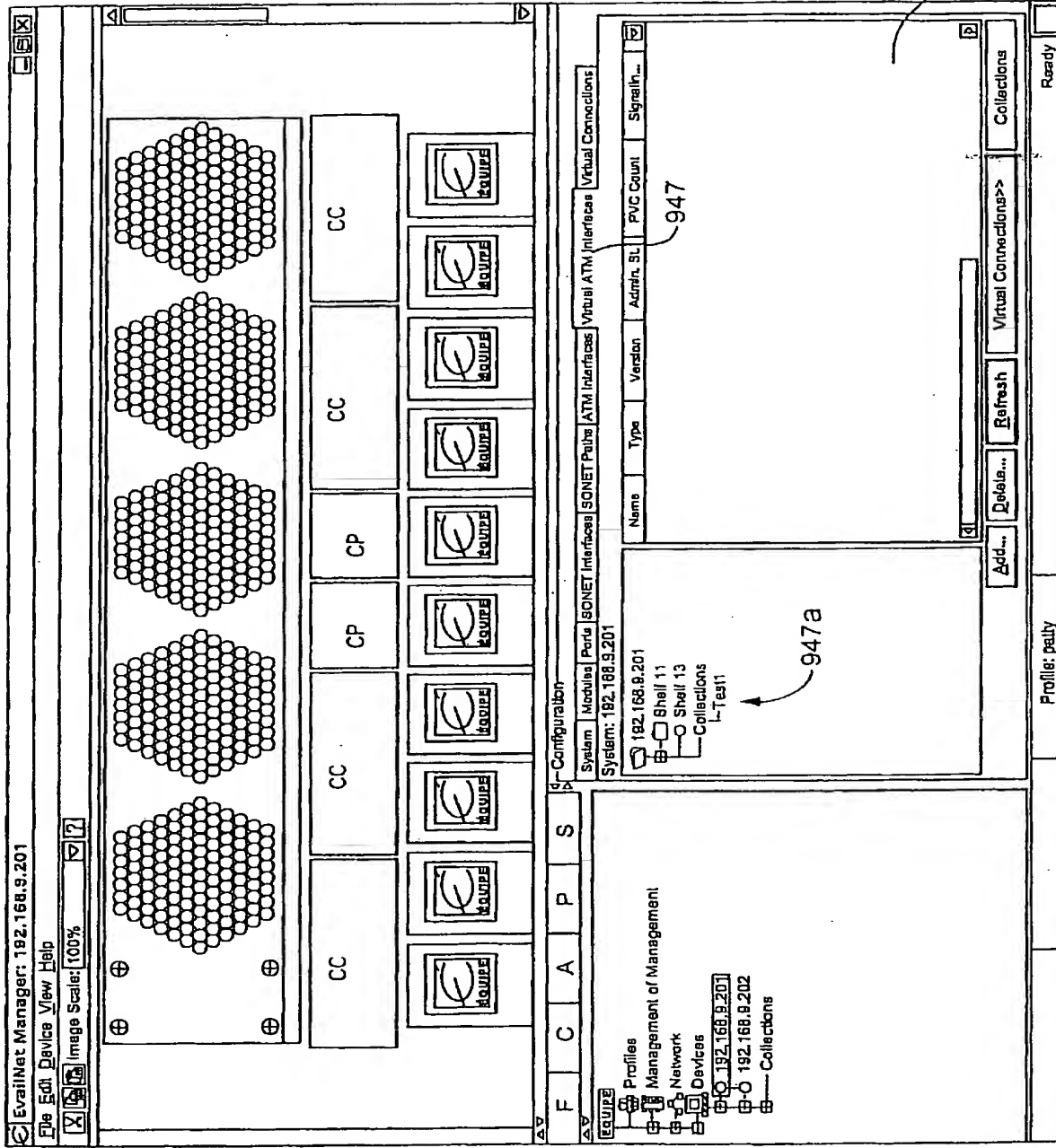


FIG. 10C

FIG. 10D

Diagram illustrating a collection name input field. A rectangular box contains the text "Collection Name:" followed by a horizontal input field. To the right of the input field is an "OK" button. A label "979d" points to the input field, and a label "979e" points to the "OK" button.

FIG. 10E

979f

Existing Collections:

Tasi1
New1
Walmart
KMart

OK

979g

FIG. 10F

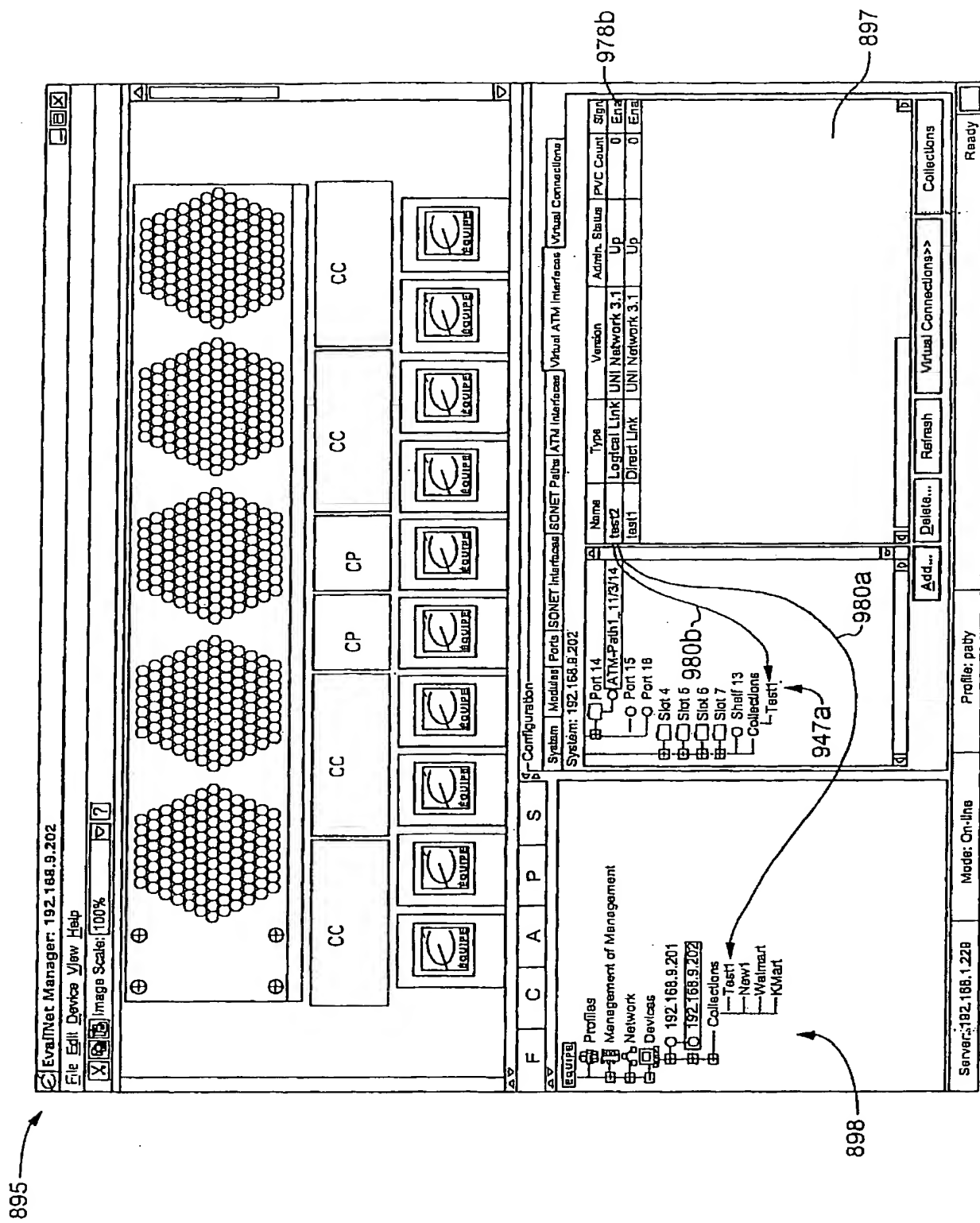


FIG. 10G

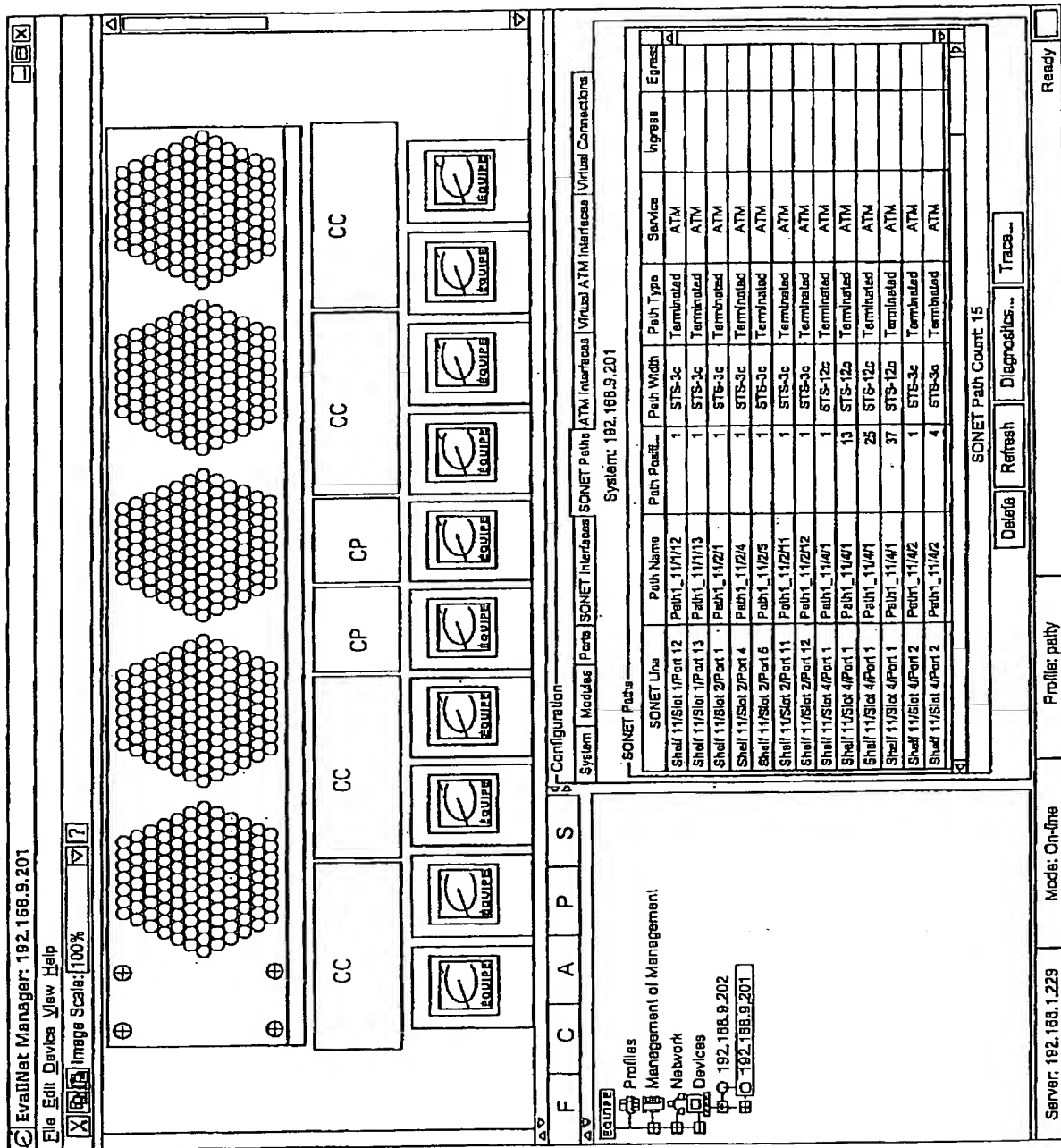


FIG. 10H

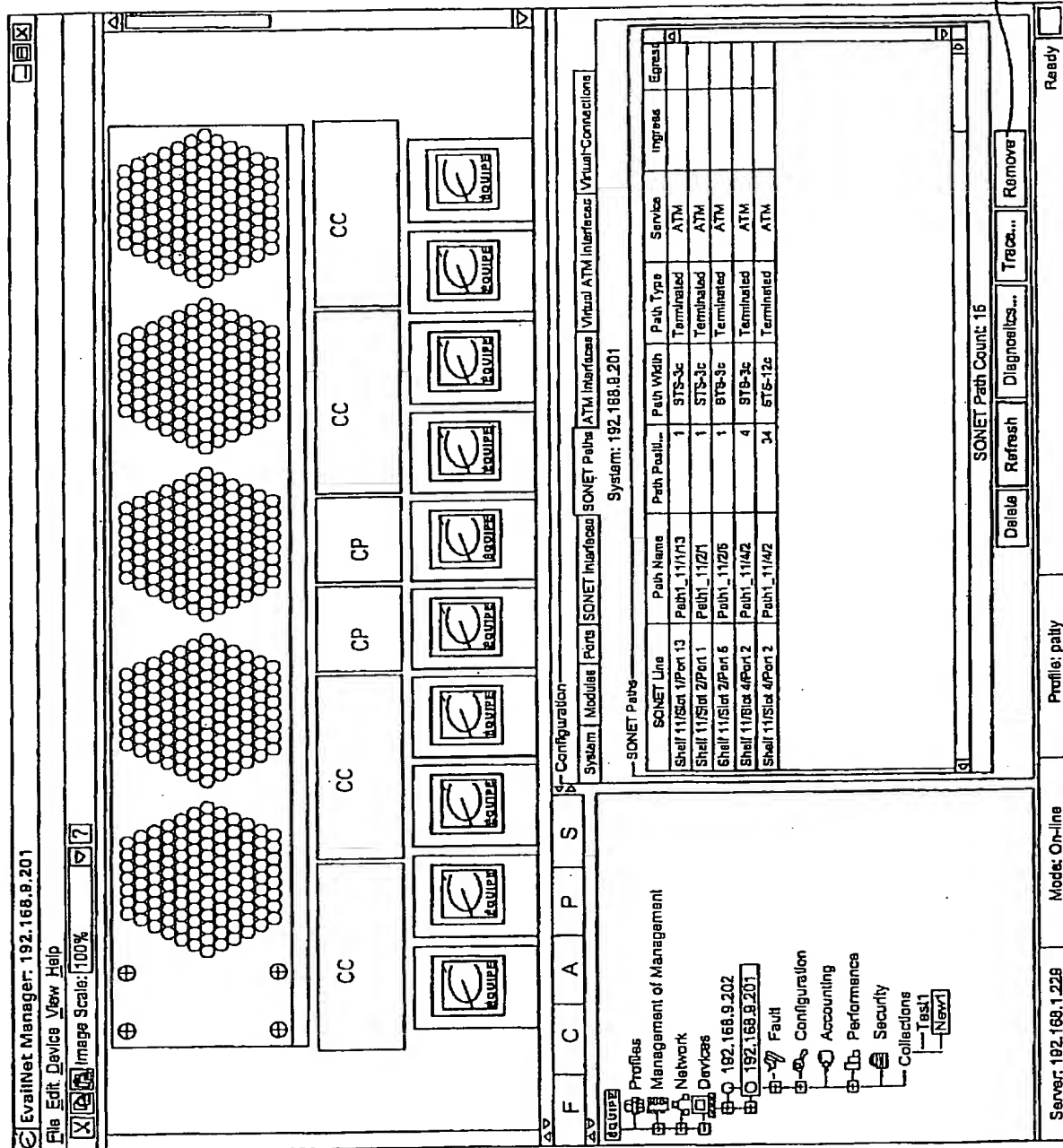


FIG. 10I

903

Profiles

System: 192.132.60.150

Profile Manager

Name	Description	Security Level	Timeout	Primary Server	Secondary Server
Joe	Joe Whitehouse	Admin	15	192.168.1.32	192.168.1.32
Wayne	Wayne Arena	Provisioner	15	TeamServer1:192...	TeamServer2:192.168.1.32

Add

Delete...

Refresh

Copy

904

905

906

FIG. 11A

907

General

908a

Kevin

908e

Kevin Snow user account

908f

Equipe

908d

☒

908b

908c

Username:

Description:

Group Name:

Group Level Access:

Password:

Confirm Password:

Policies

908h

☒ User Cannot Change Password

908i

☐ Account Disabled

908j

☒ User Can Add Devices

908k

User Session Timeout: 15 Minutes

FIG. 11B

TO

FIG. 11B CONTINUED

FROM
FIG. 11B

Servers

Primary Server:

192.168.1.220

6500

192.168.1.221

6503

Primary Server Port:

Secondary Server:

Secondary Server Port:

Devices

Device	READ	READ/WRITE	Retry	Timeout
192.168.9.202	public	equipe	3	3
192.168.9.205	public	equipe	3	3
192.168.9.216	public	equipe	3	3

908g

908p

908q

908r

908s

Add

Delete

908t

OK

Cancel

FIG. 11B CONTINUED

—

×

General

Policies

Servers

Devices

Primary Server:

Primary Server Port:

Secondary Server:

Secondary Server Port:

192.168.1.220

6500

192.168.1.205

6503

908t

OK

Cancel

FIG. 11C

X

□

-

Add

Delete

General
Policies
Servers
Devices

Device	READ	READ/WRITE	Retry	Timeout	Trap Port
192.168.9.202	public	equipe	3	3	162
192.168.9.205	public	equipe	3	3	162
192.168.9.216	public	equipe	3	3	5012

▽

△

908t ~

OK

Cancel

Add
Delete

FIG. 11D

				<input type="button" value="-"/> <input type="button" value="□"/> <input type="button" value="X"/>		
		<div> <div>General</div> <div>Policies</div> <div>Servers</div> <div>Devices</div> </div>				
Username:		Kevin				
Description:		Kevin Snow user account				
Customer Name:		Equipe				
Group Level Access:		<input type="button" value="▽"/>				
Password:		*****				
Confirm Password:		*****				
		<div> <div>908t ~</div> <div>OK</div> <div>Cancel</div> </div>				

FIG. 11E

—

□

×

General

Policies

Servers

Devices

☐ User Cannot Change Password

☐ Account Disabled

☒ User Can Add Devices

User Session Timeout: 15

Minutes

908t ~

OK

Cancel

FIG. 11F

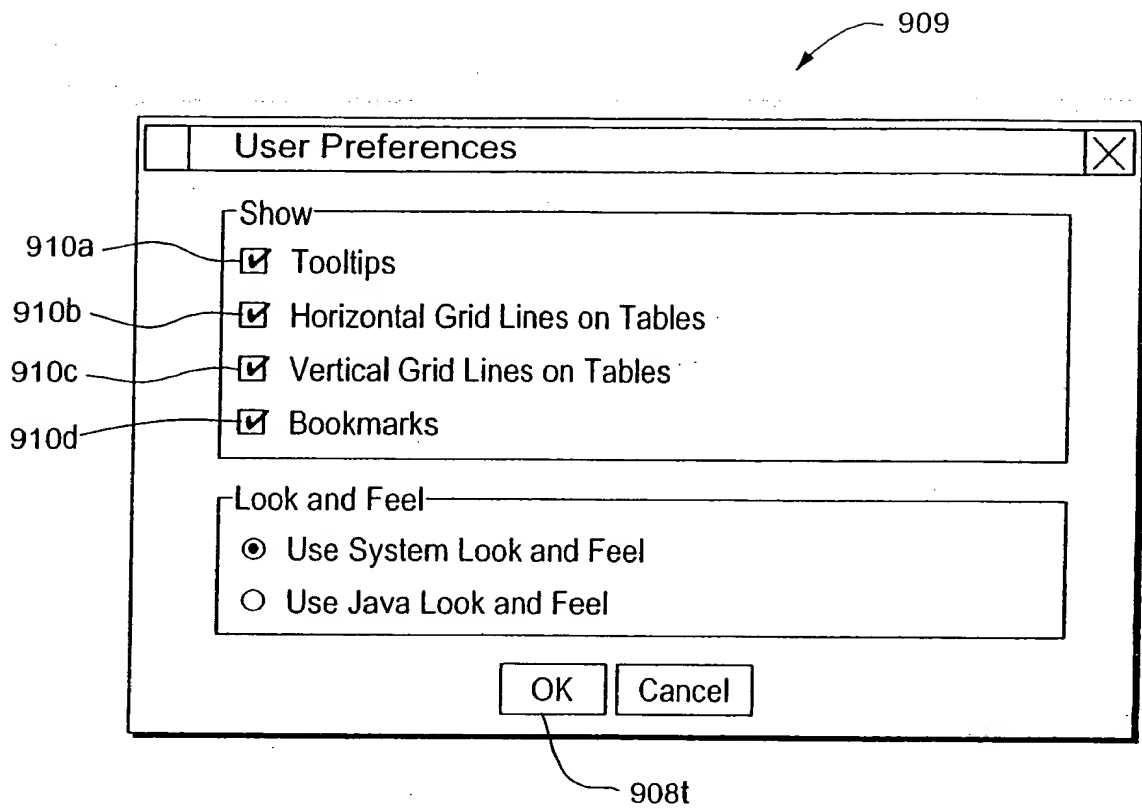


FIG. 11G

907

General

Username: Kevin 908a

Description: Kevin Snow user account 908e

Group Name: Equipe 908f

Group Level Access: 908d

Password: ***** 908b

Confirm Password: ***** 908c

Policies

☒ User Cannot Change Password 908h

☐ Account Disabled 908i

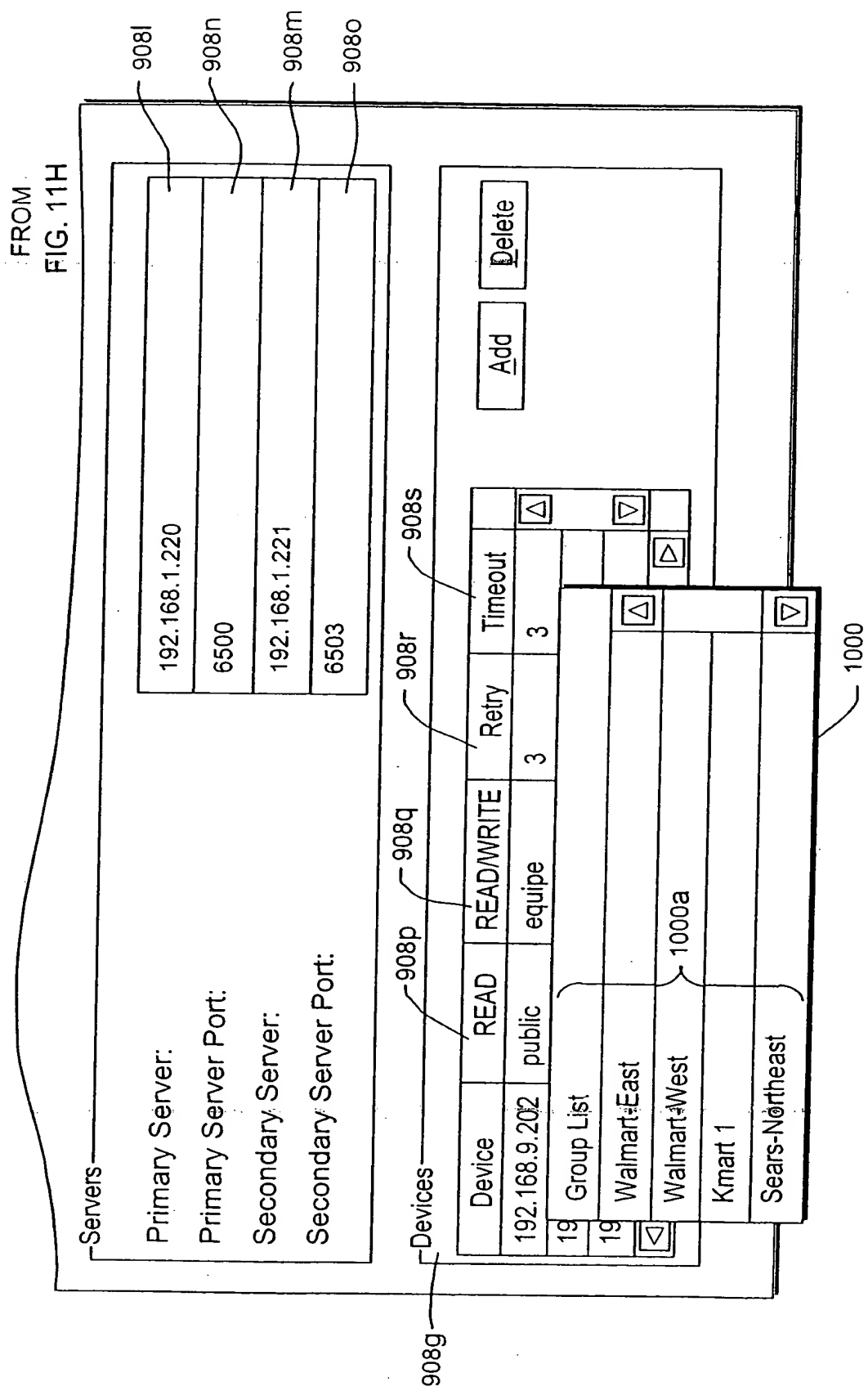
☒ User Can Add Devices 908j

User Session Timeout: 15 908k Minutes

TO

FIG. 11H CONTINUED

FIG. 11H



EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot 8

Port 5

Type OC12

SONET Path Wizard

☒ Configure a single concatenated path (STS-12c)

☐ Configure

☐ Custom Configuration

4

STS-3C

paths

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/...	1	STS-12c	Termin.	ATM		

Modify

Graphical Representation

Position

Width

1

STS-12c

1002a

1002b

1002c

1002d

1002e

Group Name:

OK

Cancel

FIG. 11I

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot

8

Port

5

Type

OC12

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)

☒

Configure

4

▽

STS-3c

▽

paths

☐ Custom Configuration

Path Table

SONET Line	Path Name	Path Posit.	Path Wi.	Path Ty.	Servi.	Ingress Conne.	Egress Conne.
11/8/5	Path1_11/8/5	1	STS-3c	Termin.	ATM		
11/8/5	Path2_11/8/5	4	STS-3c	Termin.	ATM		
11/8/5	Path3_11/8/5	7	STS-3c	Termin.	ATM		
11/8/5	Path4_11/8/5	10	STS-3c	Termin.	ATM		

1002e

Modify

Graphical Representation

Position	Width
1	STS-3c
4	STS-3c
7	STS-3c
10	STS-3c

Group Name:

1002d

OK

Cancel

FIG. 11J

EvailNet Manager: SONET Path Configuration - 11/8/5

System: 192.168.9.201

SONET Line

Slot
Port
Type

SONET Path Wizard

☐ Configure a single concatenated path (STS-12c)
☐ Configure paths
☐ Custom Configuration

Functions

Available SONET Paths

Add>
<Remove
<<Clear

Allocated SONET Paths

STS-3c
STS-3c
STS-3
STS-3

↑
↓

Path Table

SONET Line	Path Name	Path Position	Path Width	Path Type	Service	Ingress Co...	Egress Co...
11/8/5	Path1_11/8/5	1	STS-3c	Terminated	ATM		Δ
11/8/5	Path2_11/8/5	4	STS-3c	Terminated	ATM		
11/8/5	Path3_11/8/5	7		Terminated	ATM		▽

1002e

1002a
1002d

Group Name
1002b 1002c

Graphical Representation

Position

Width

1

4

STS-3c

STS-3c

FIG. 11K

MANAGED RESOURCE GROUP TABLE 1008

1008a

1008b

LID	MANAGED DEVICE PID	GROUP NAME
1145	1	WALMART-EAST
⋮	⋮	⋮

1008c

1008d

FIG. 11L

MANAGED RESOURCE TABLE 1007

1007a

1007b

LID	RESOURCE LID	MANAGE RESOURCE GROUP LID
4443	901	1145
⋮	⋮	⋮

1007c

FIG. 11M

Add V-ATM Interface - 192.168.9.201 [X]

Shelf/Slot/Port: 11/4/2 Path Name: Path2_11/4/2 1004

Virtual ATM Interface Parameters

Name (Alias):	<input type="text"/>
Connection Type:	Direct Link <input type="button" value="v"/>
Version:	UNI Network 3.1 <input type="button" value="v"/>
Admin. Status:	Up <input type="button" value="v"/>
Group Name:	<input type="text"/> <input type="button" value="v"/> 1004b

1004a

OK Cancel 1004c

1004c

FIG. 11N

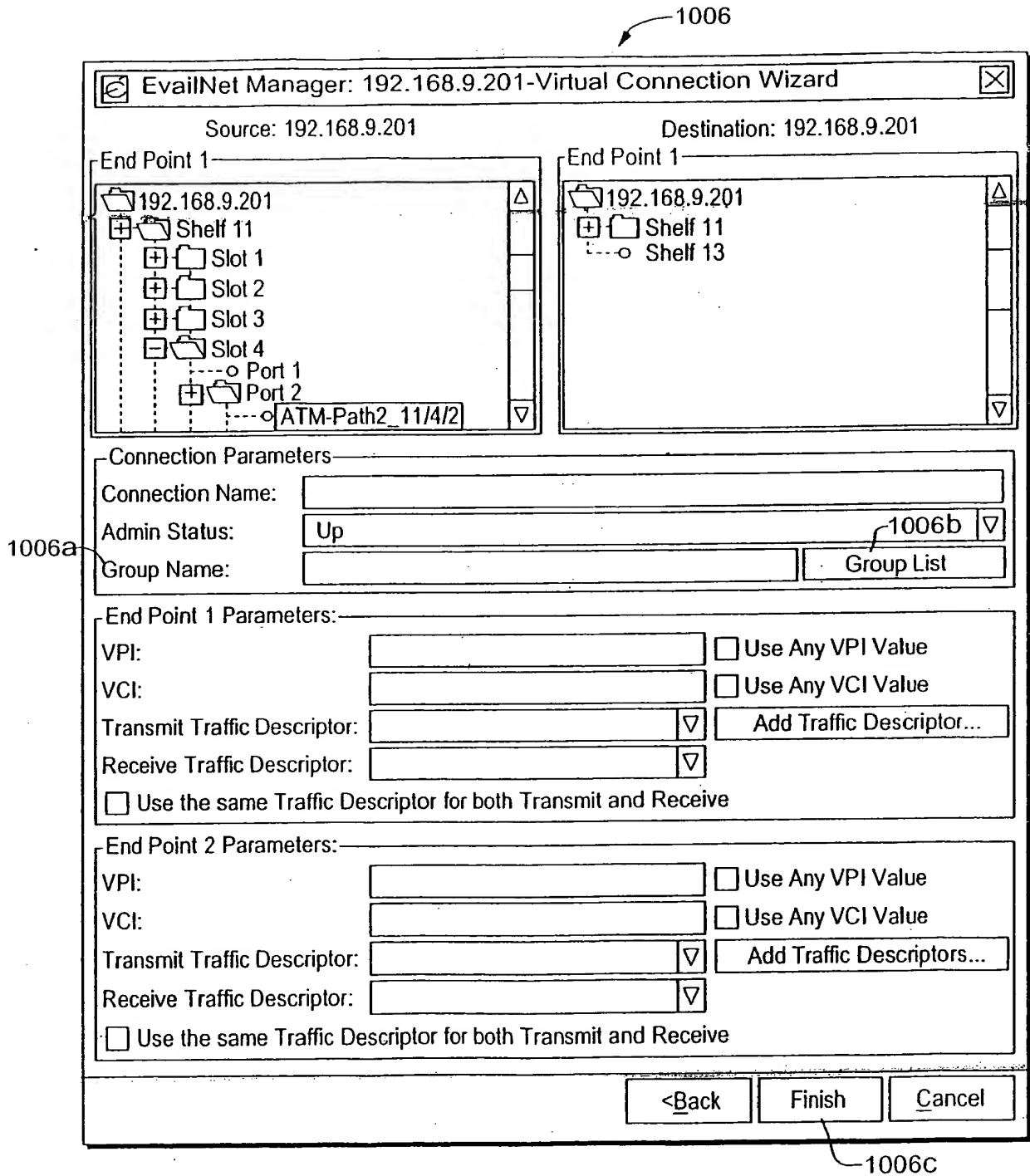


FIG. 11O

USER TABLE 1010

1010a

LID	1010b USERNAME	1010c PASSWORD	1010d GROUP LEVEL ACCESS
2012	DAVE	MARBLE	1010e PROVISIONER
⋮	⋮	⋮	

FIG. 11P

USER MANAGED DEVICE TABLE 1012

1012a

LID	1012b USER LID	1012c HOST LID	1012d RETRY	1012e TIMEOUT
7892	2012	9046		
⋮	⋮	⋮	⋮	⋮

FIG. 11Q

ADMINISTRATION MANAGED DEVICE TABLE 1014

LID	HOST ADDRESS	PORT ADDRESS	RETRY	TIMEOUT	ADMIN. PASSWORD	PROV. PASSWORD	VIEWER PASSWORD
9046	192.168.9.202	1521			TEAM 1	TEAM 2	TEAM 3
:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:

FIG. 11R

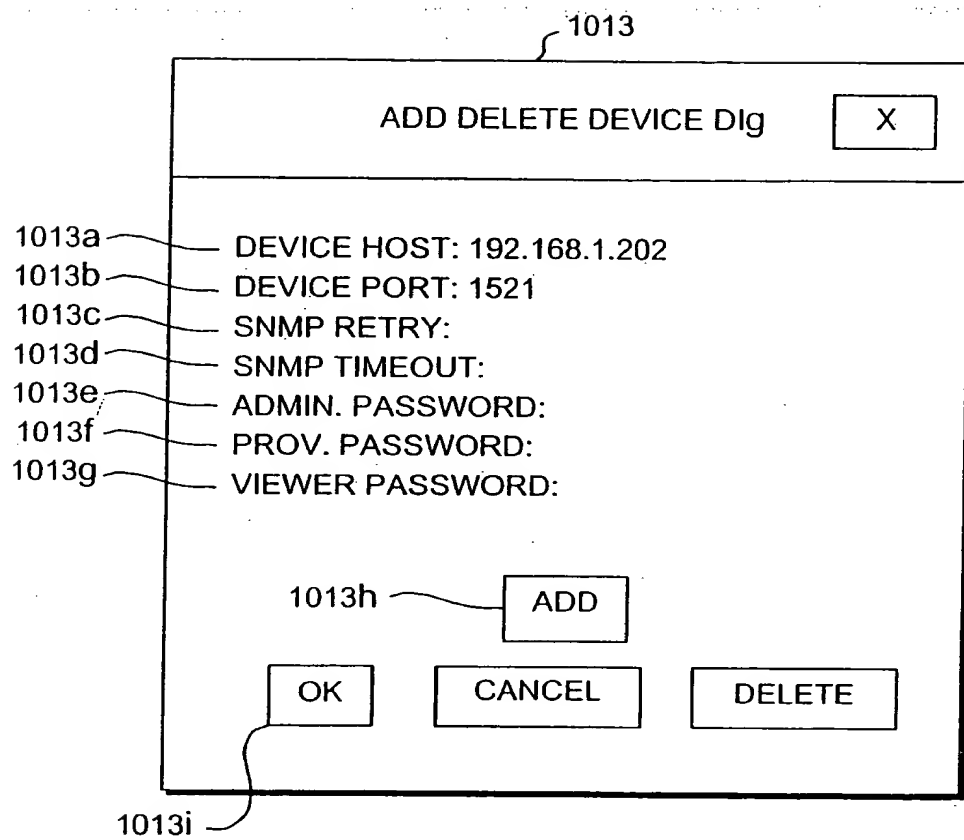


FIG. 11S

USER RESOURCE GROUP MAP TABLE 1016

1016a LID	1016b USER LID	1016c USER RESOURCE GROUP LID
8086	2012	1024
⋮	⋮	⋮

FIG. 11T

USER RESOURCE GROUP TABLE 1018

1018a LID	1018b HOST LID	1018c GROUP NAME
1024	9046	WALMART-EAST
⋮	⋮	⋮

FIG. 11U

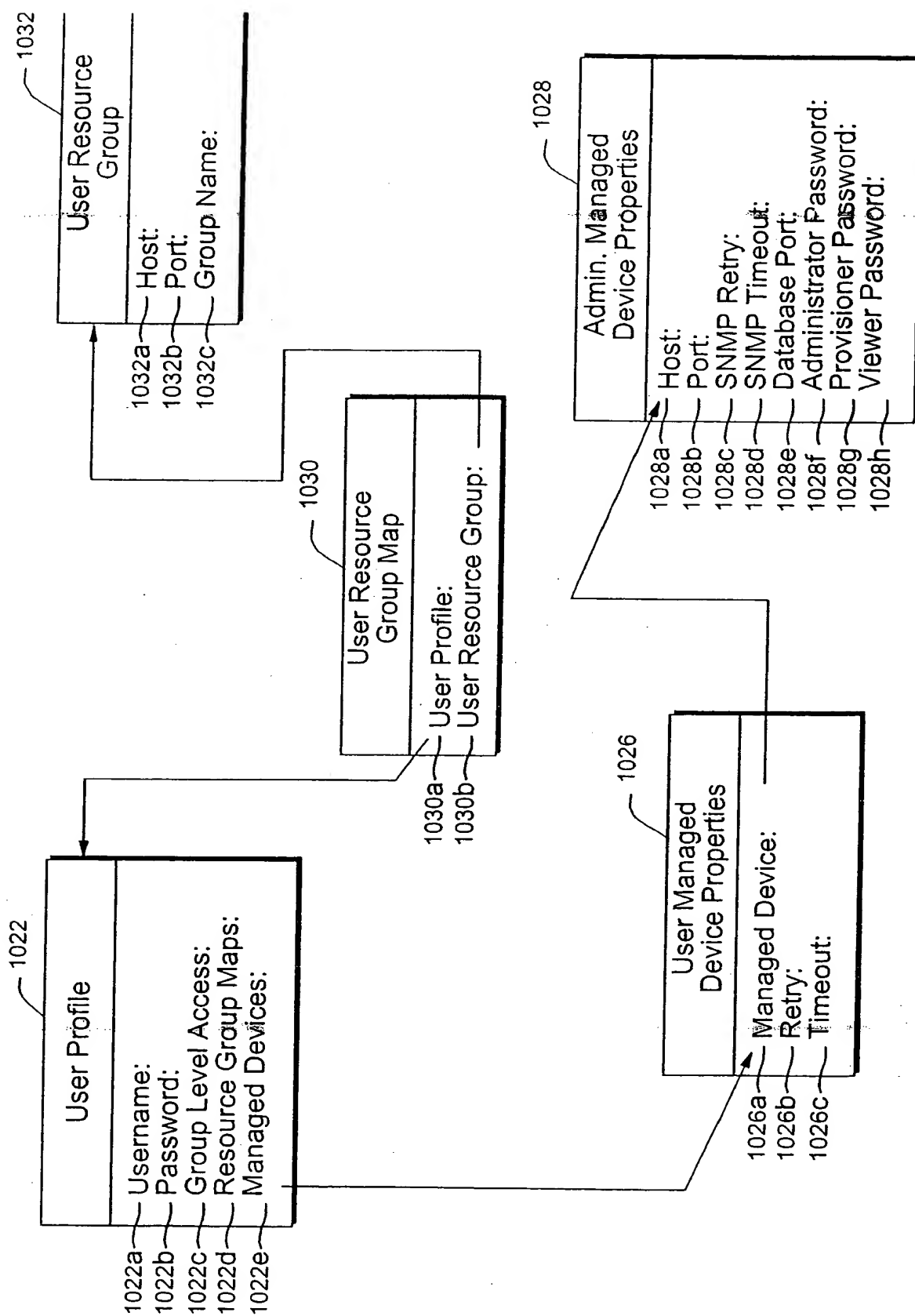


FIG. 11V

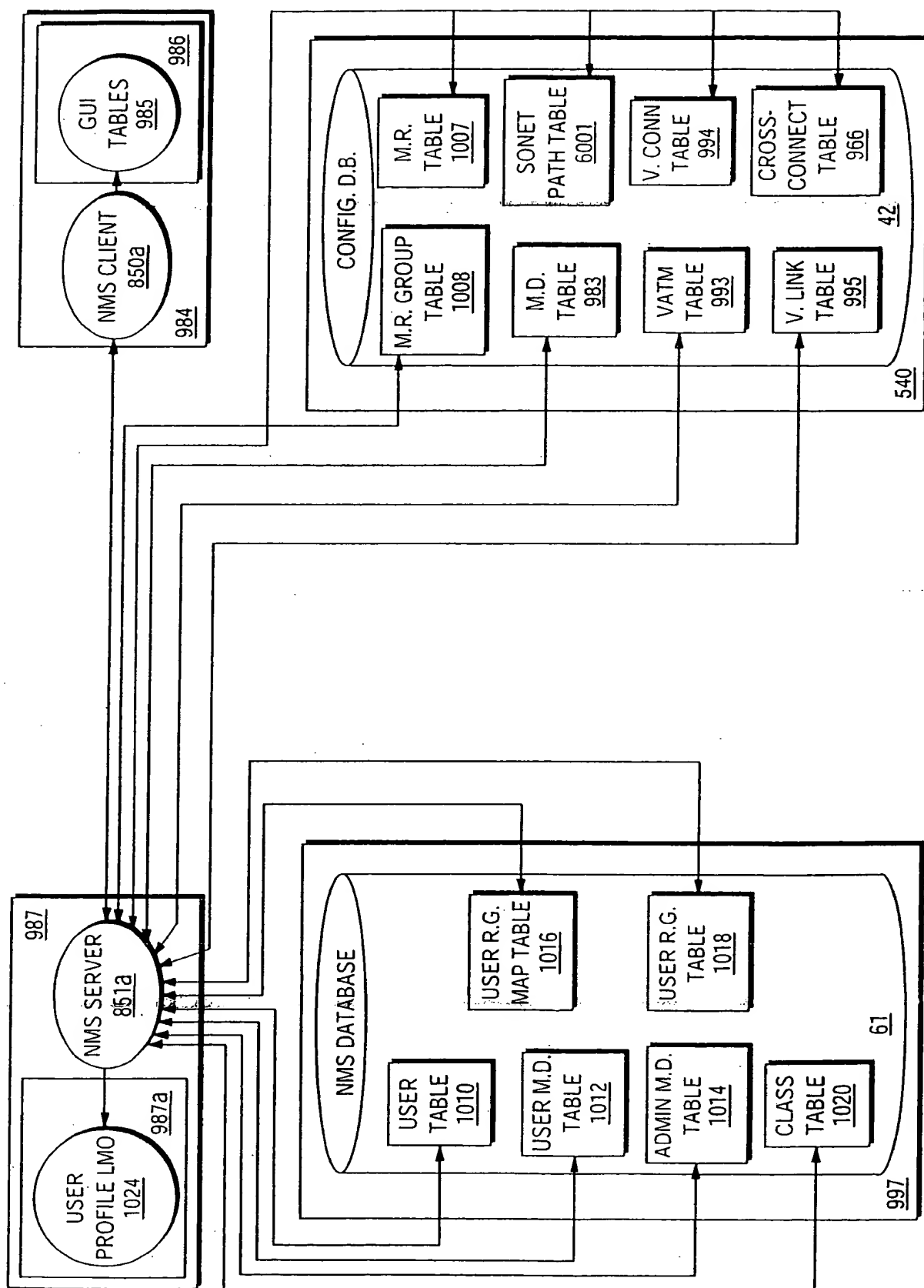


FIG. 11W

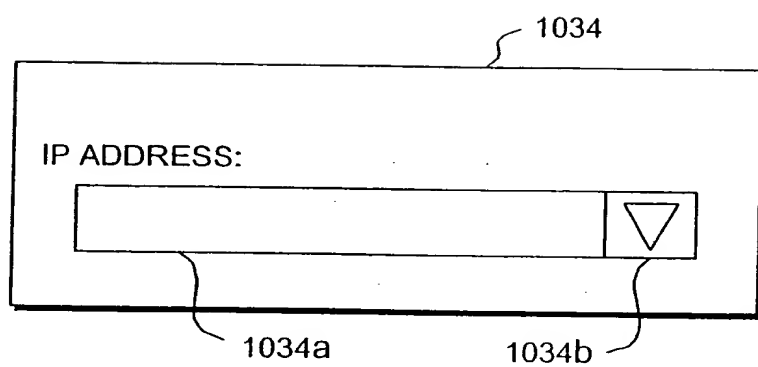


FIG. 11X

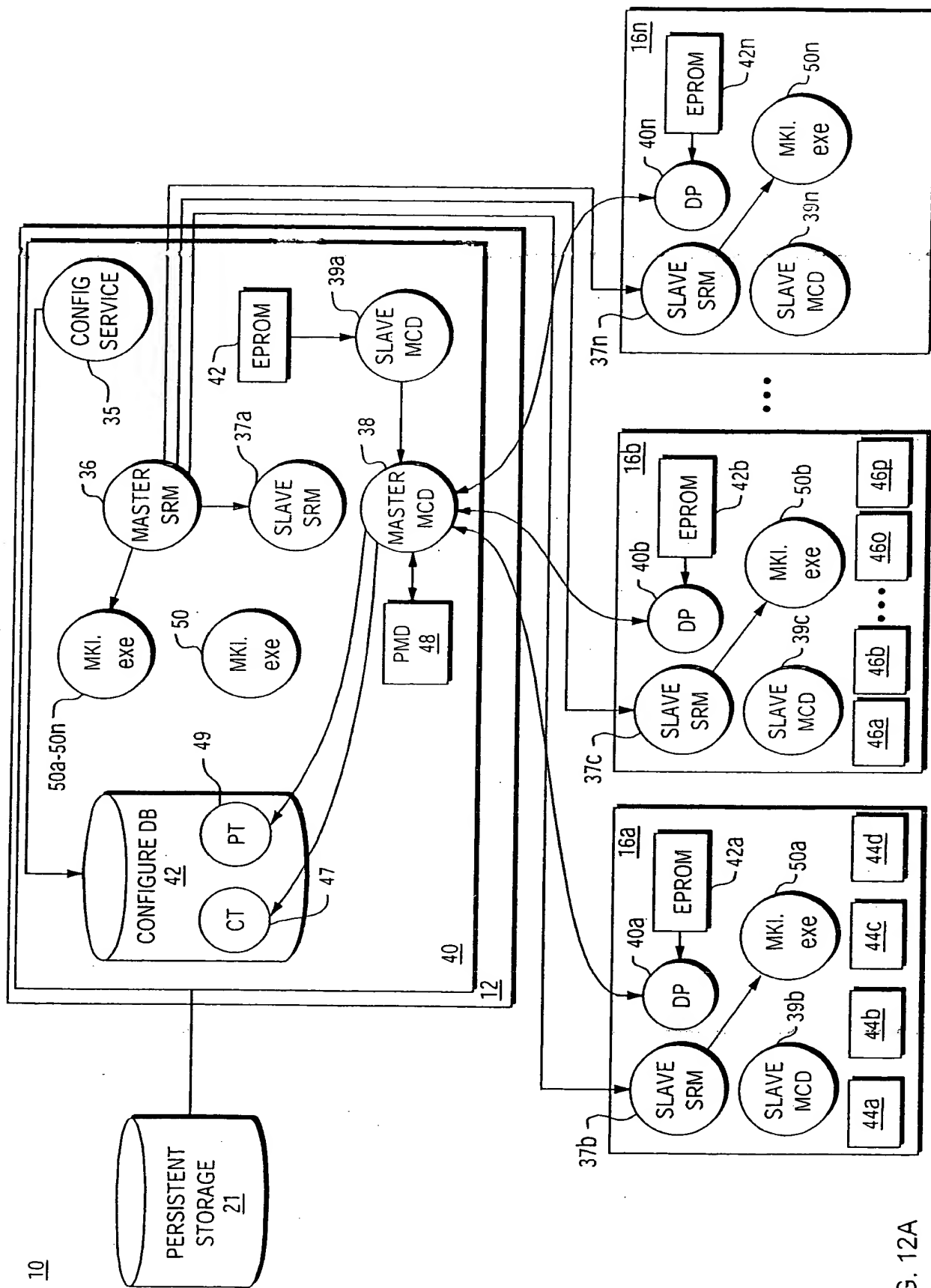


FIG. 12A

CARD TABLE 47

	PID	CWD TYPE	VERSION NO.	SLOT NO.	...
16a	500	0XF002	3	1	
16b	501	0XF002	4	2	
	⋮	⋮	⋮	⋮	⋮
16e	505	0X6002	1	5	
	⋮	⋮	⋮	⋮	⋮
16n	513	0XF002	1	12	
	⋮	⋮	⋮	⋮	⋮

FIG. 12B

PORT TABLE 49

	PID	PORT TYPE	VERSION NO.	SLOT NO.	...
44a	1500	00620	1	1	
44b	1501	00620	1	1	
44c	1502	00620	1	1	
44d	1503	00620	1	1	
44a	1504	00820			
46a	⋮	⋮	⋮	⋮	⋮
	1600	00620	1	8	
	⋮	⋮	⋮	⋮	⋮

FIG. 12C

FIG. 13A

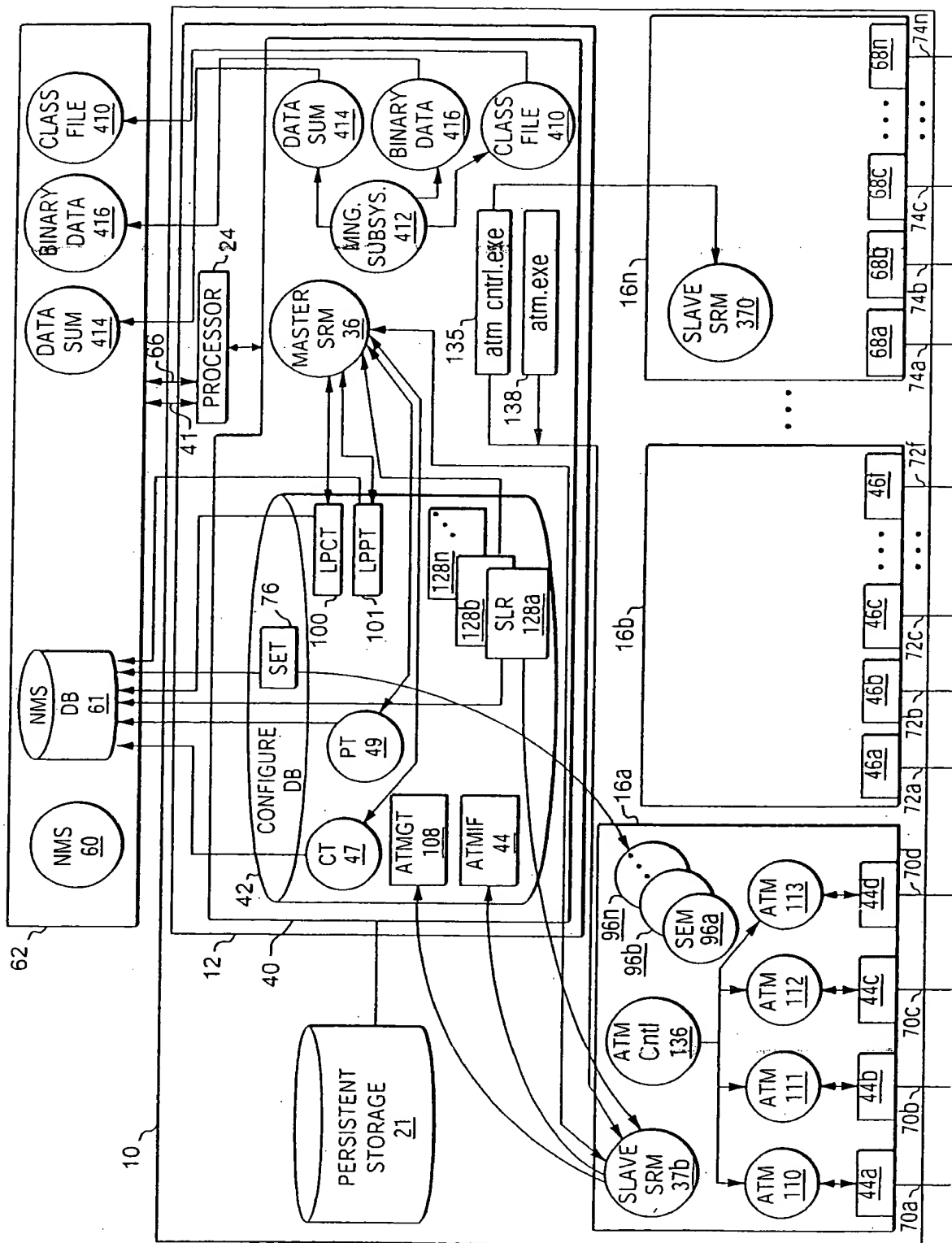


FIG. 13B

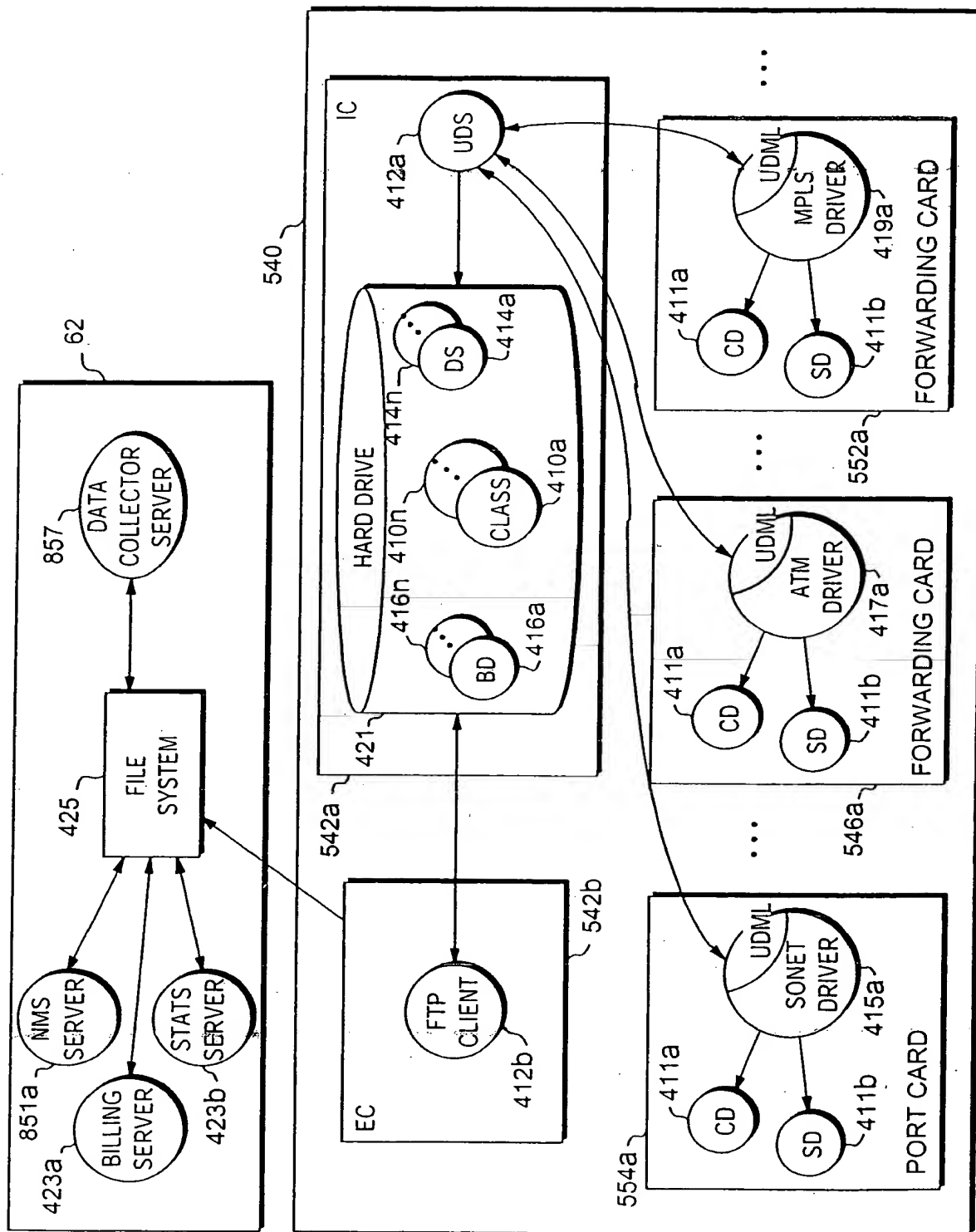


FIG. 13C

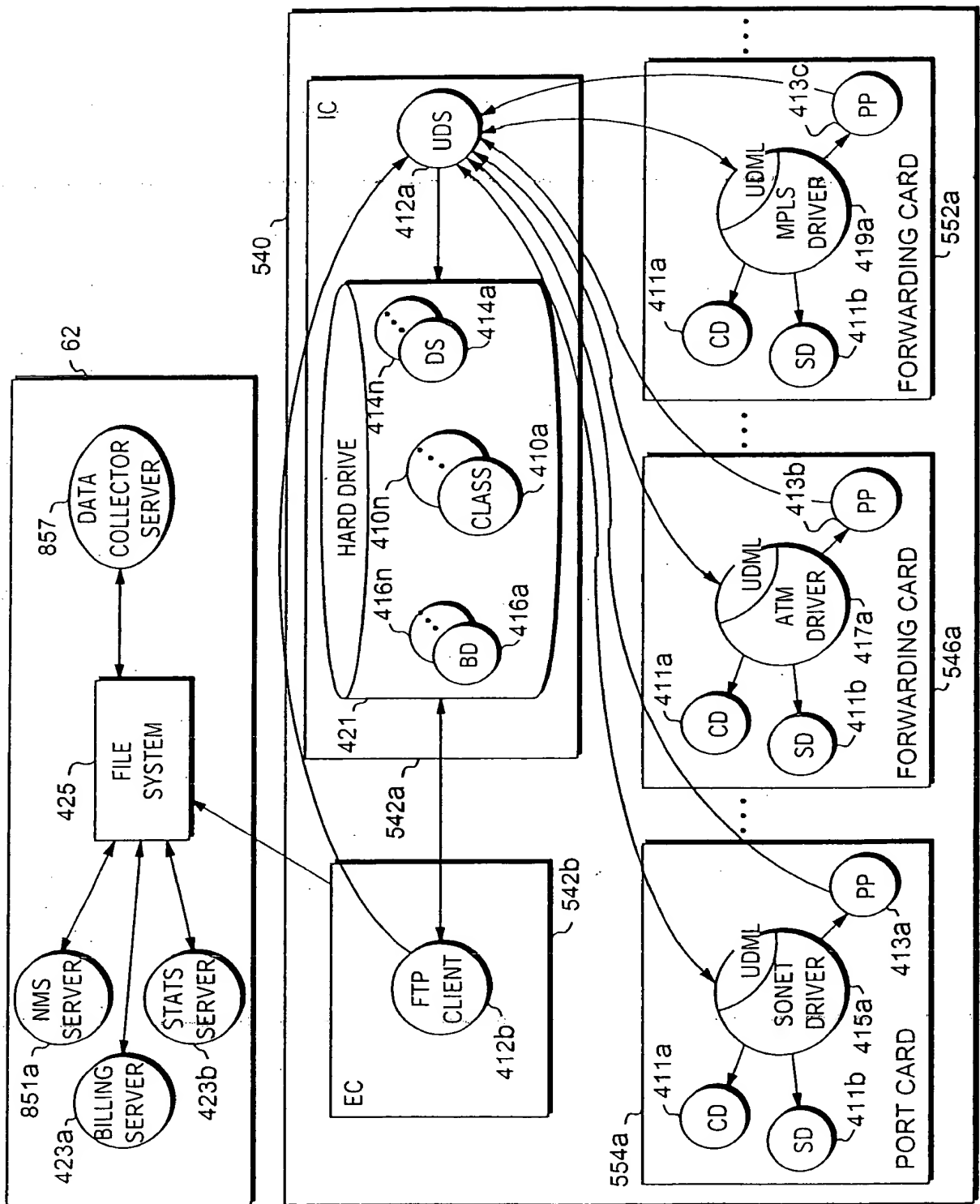


FIG. 13D

SERVICE ENDPOINT TABLE 76

	SERVICE ENDPOINT #	PORT PID
78	1	1500
80	2	1501
82	3	1501
84	4	1501
86	5	1502
88	6	1502
90	7	1503
92	8	1503
94	9	1503
168	10	1502
	⋮	⋮
	⋮	⋮

FIG. 14A

LOGICAL TO PHYSICAL CARD TABLE 100

	98 LID	102 PRIMARY PID	104 BACK-UP PID
106	30	500	513
109	31	501	513
	⋮	⋮	⋮
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14B

LOGICAL TO PHYSICAL PORT TABLE 101

	98 LID	102 PRIMARY PID	104 BACK-UP PID
107	40	1500	1600
	⋮	⋮	⋮
	⋮	⋮	⋮
	⋮	⋮	⋮

FIG. 14C

ATM GROUP TABLE 108

GROUP #	CARD LID	...
1	30	
2	30	
3	30	
4	30	

FIG. 14D

ATM INTERFACE TABLE 114

ATM IF	ATM GROUP	SE	...
1	1	1	
2	1	1	
3	1	1	
4	2	2	
5	2	3	
6	2	4	
⋮	⋮	⋮	⋮
12	3	10	
⋮	⋮	⋮	⋮

170

FIG. 14E

SOFTWARE LOAD RECORD 128a

130	CONTROL SHIM	LID	132
134	atm-cntl.exe	30	

FIG. 14F

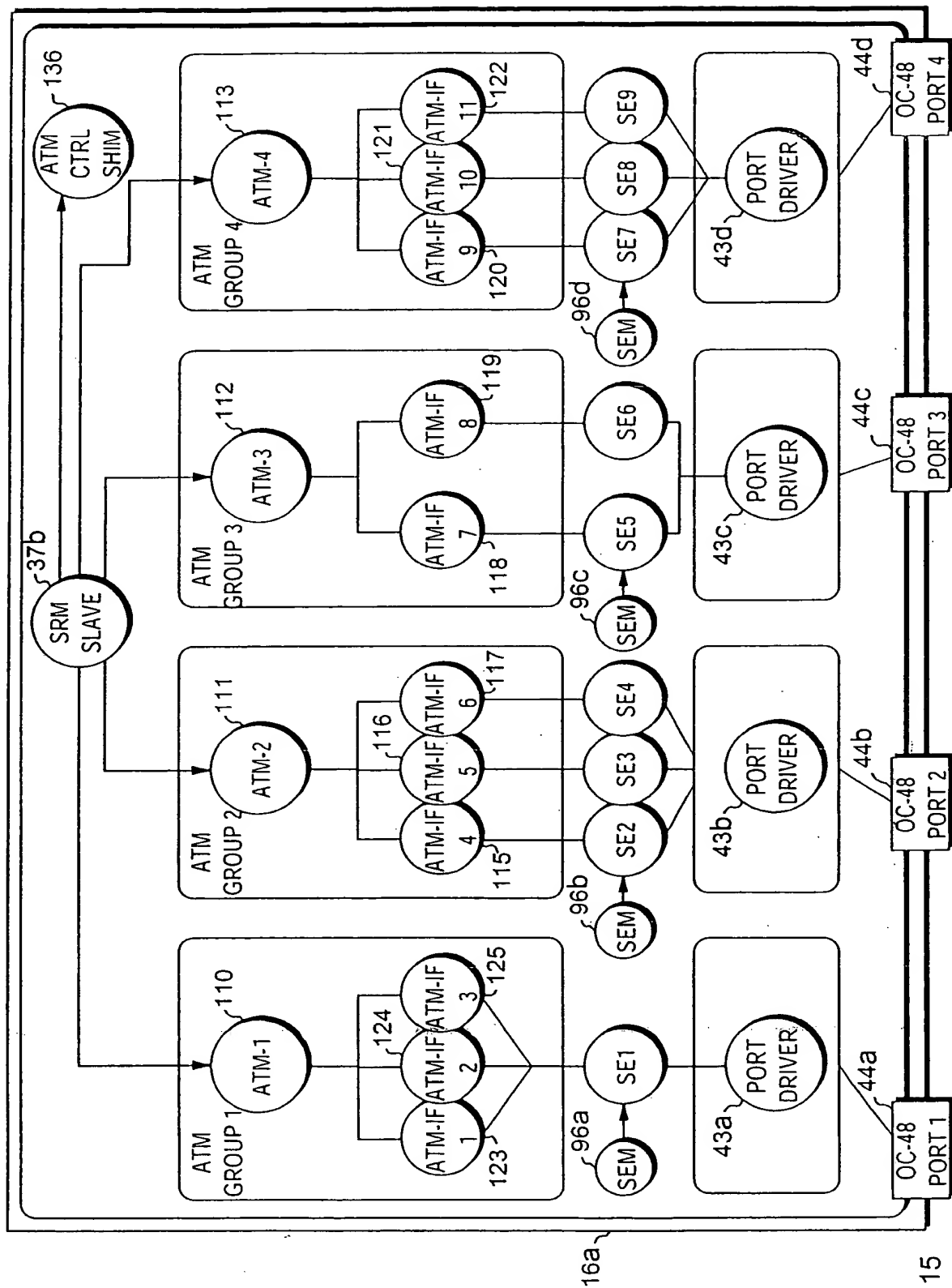


FIG. 15

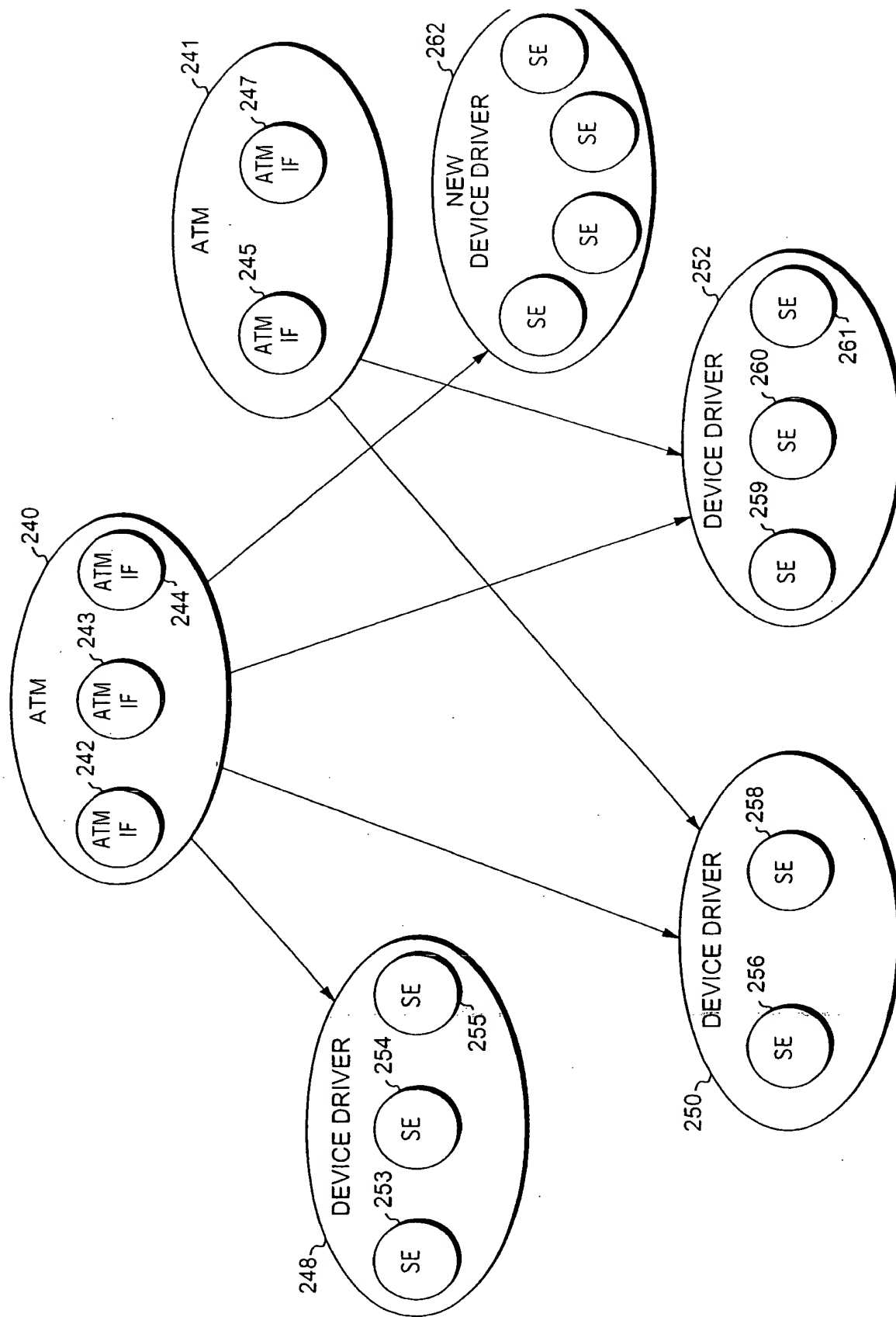


FIG. 16A

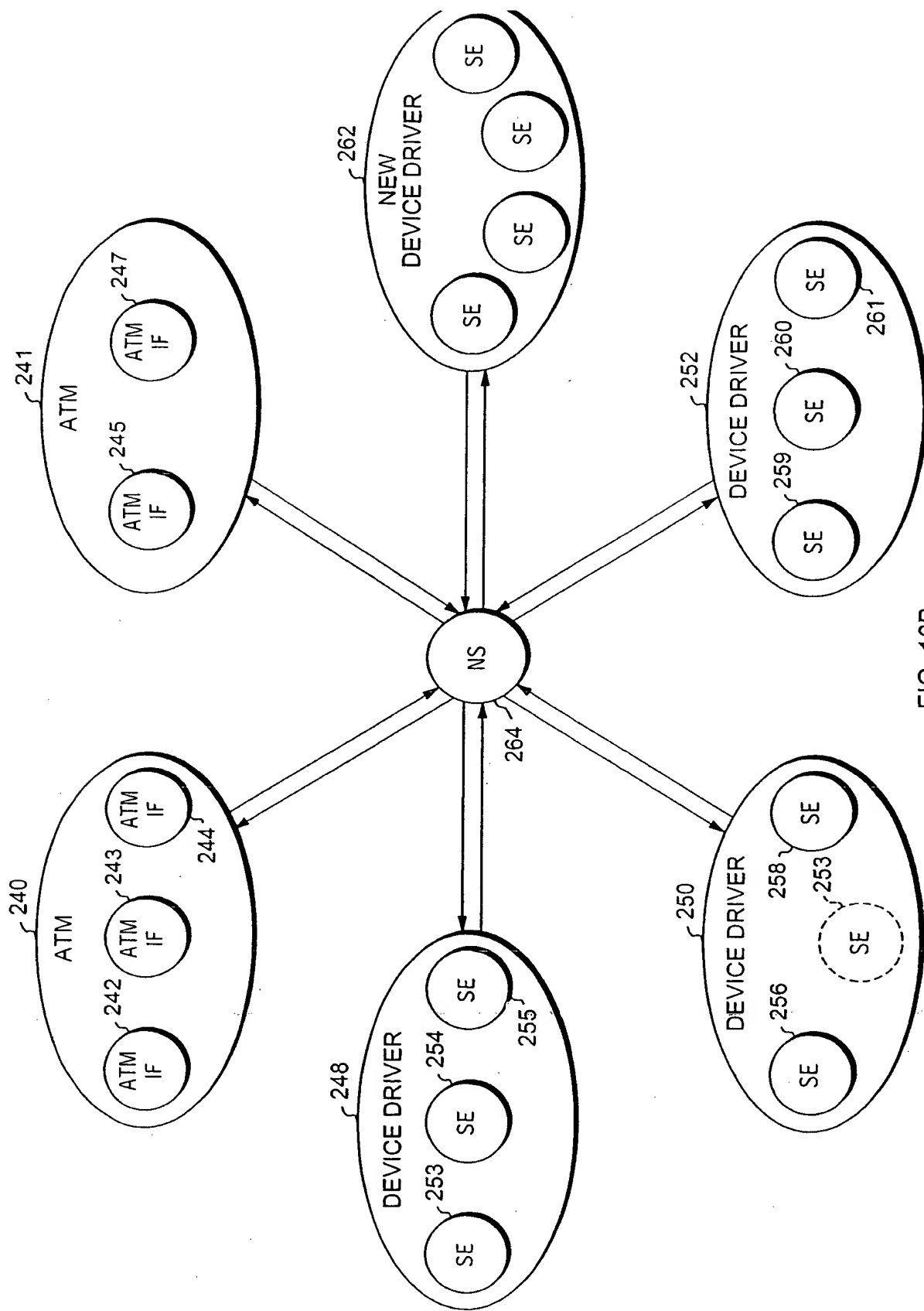


FIG. 16B

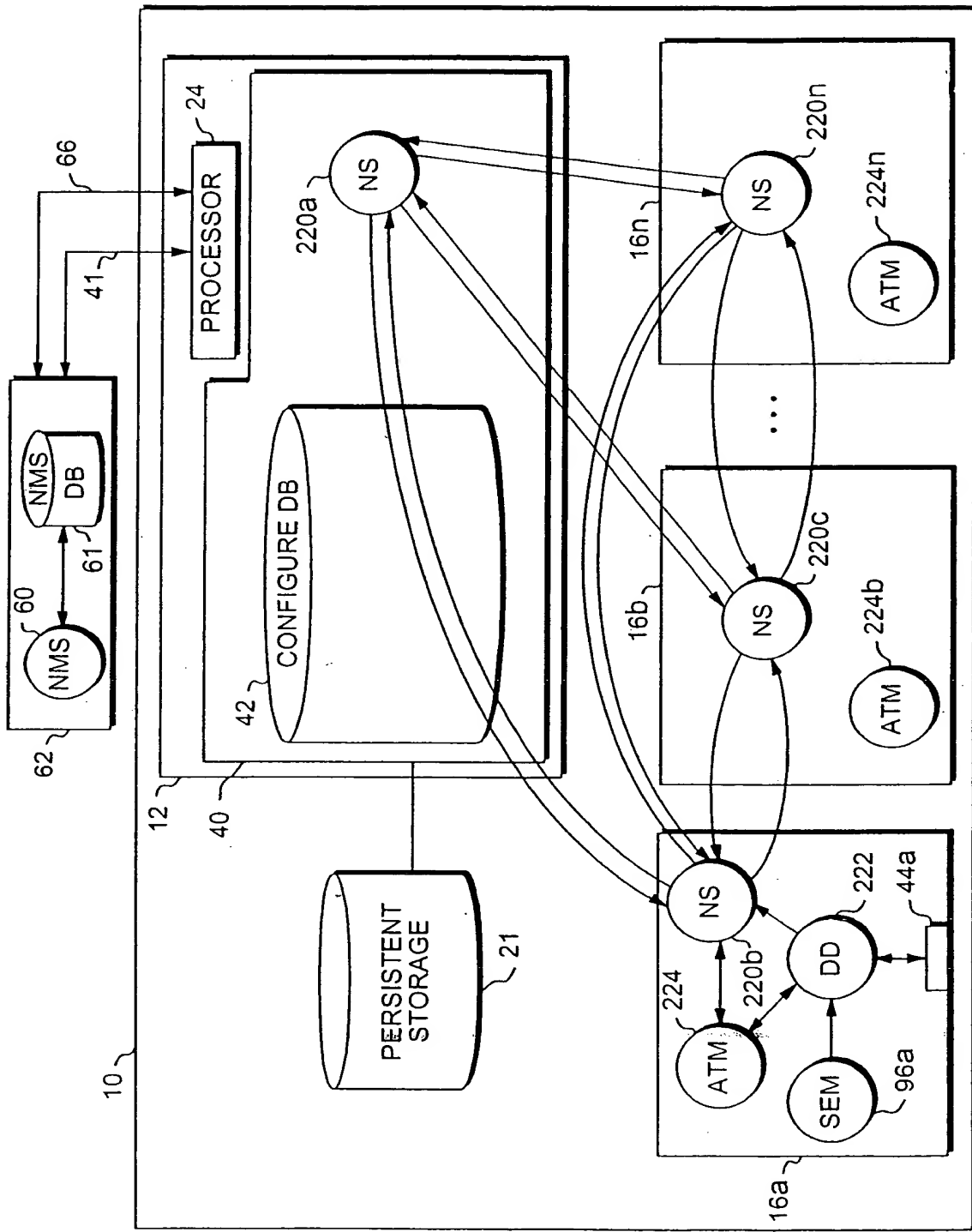


FIG. 16C

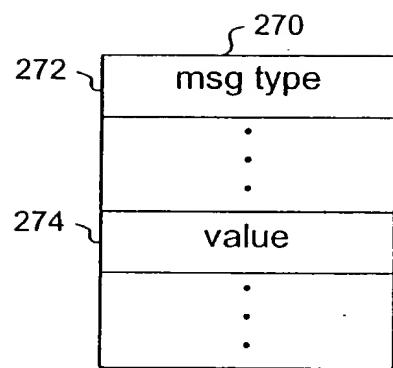


FIG. 16D

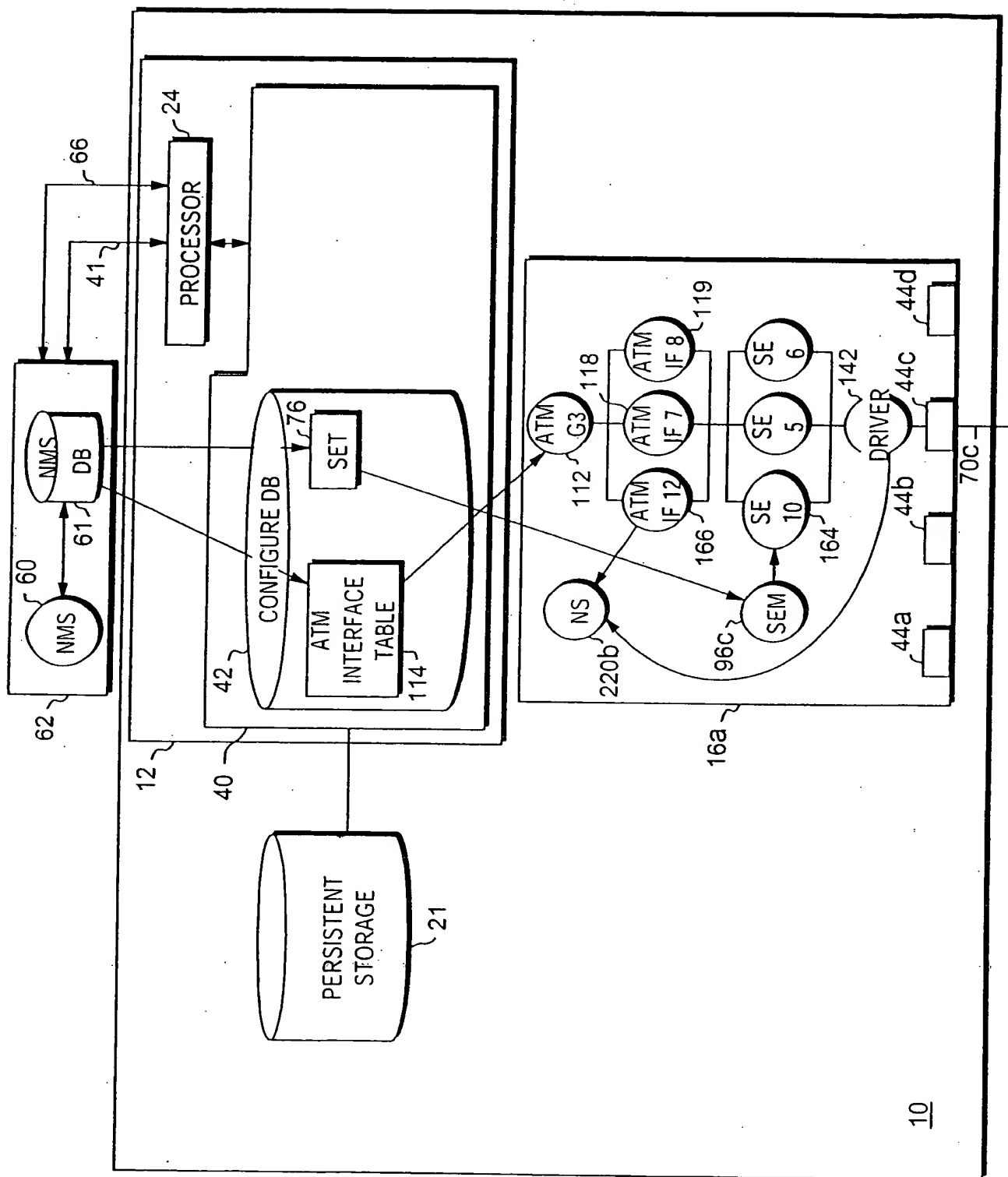
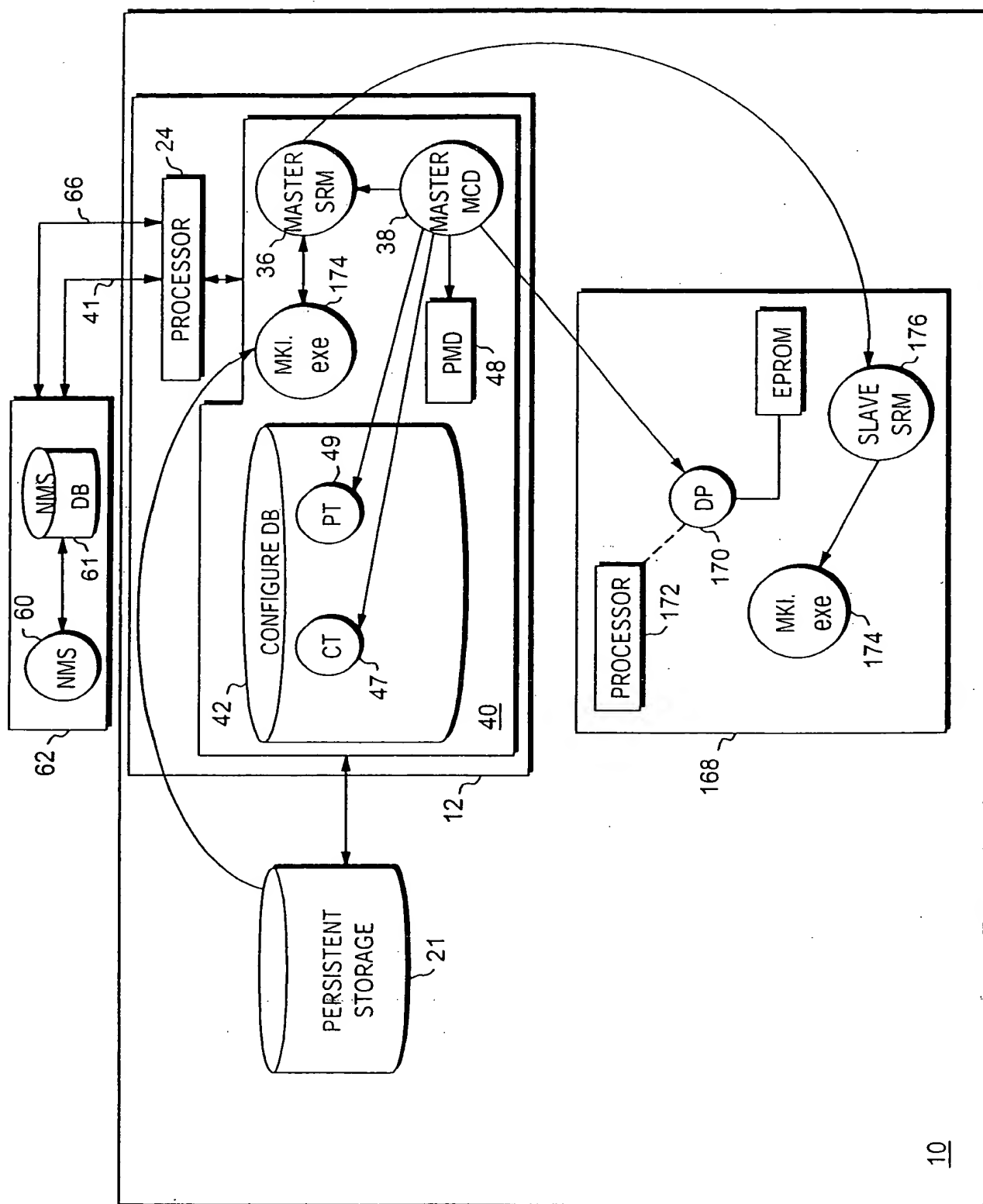


FIG. 17



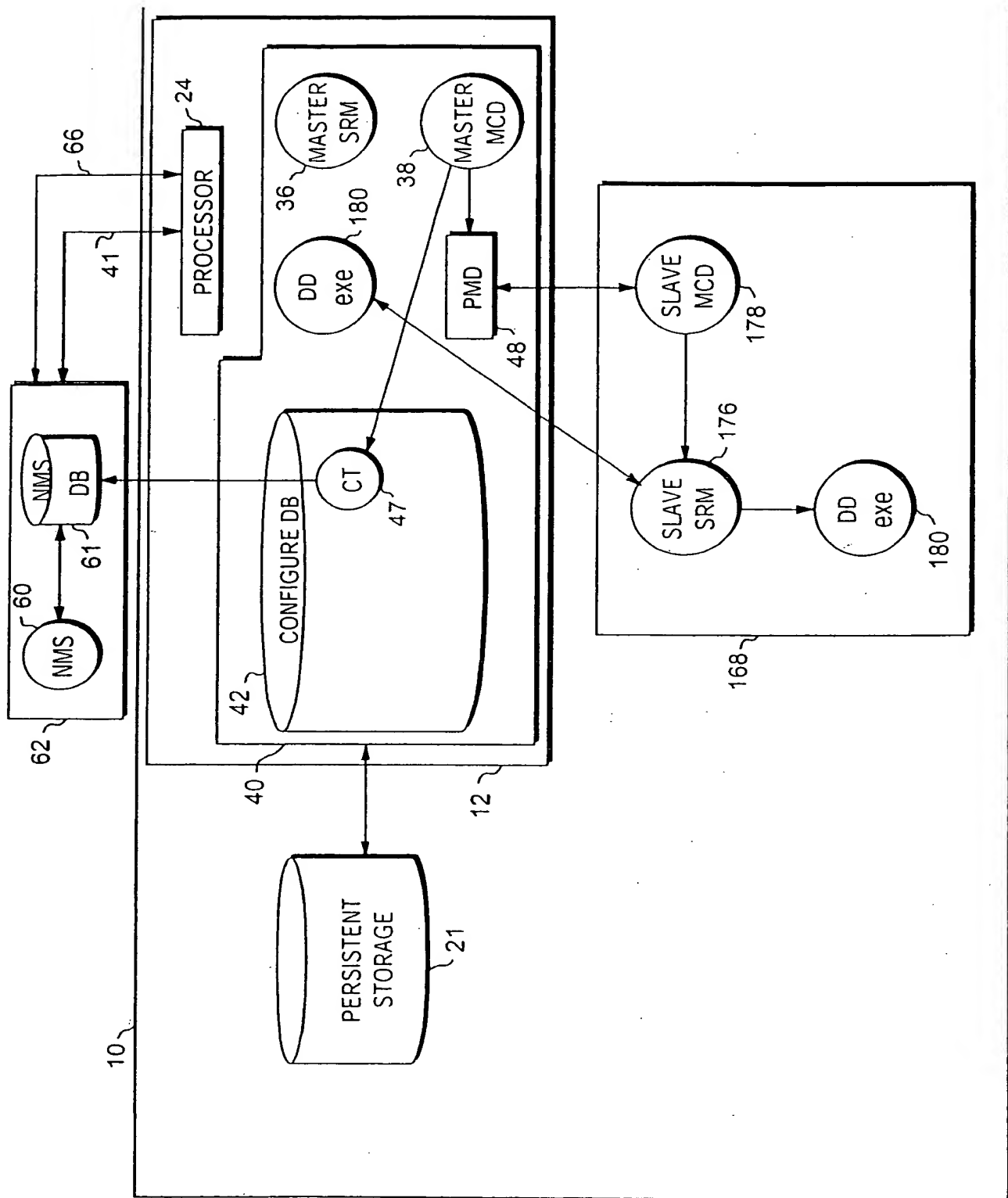


FIG. 19

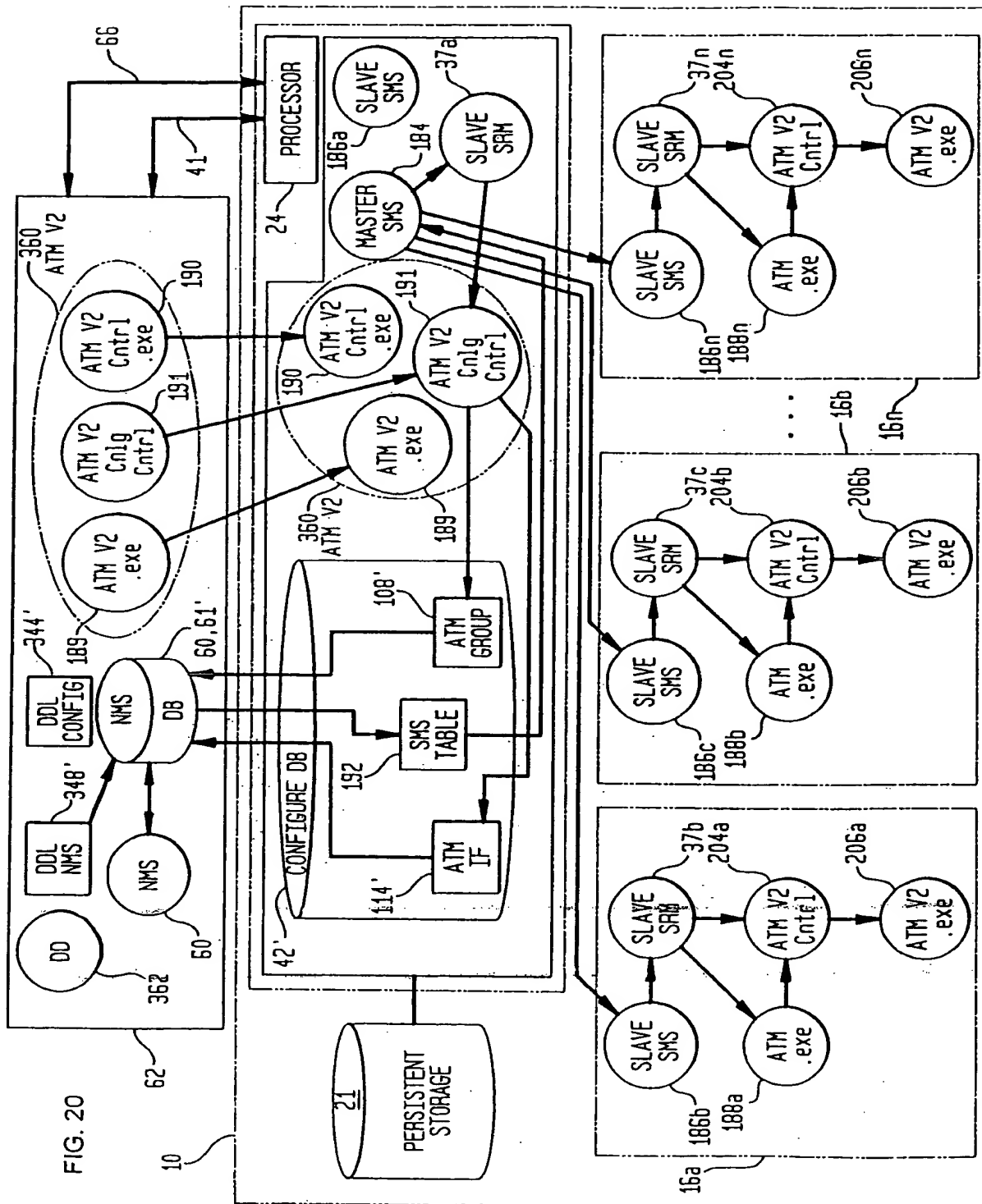


FIG. 21

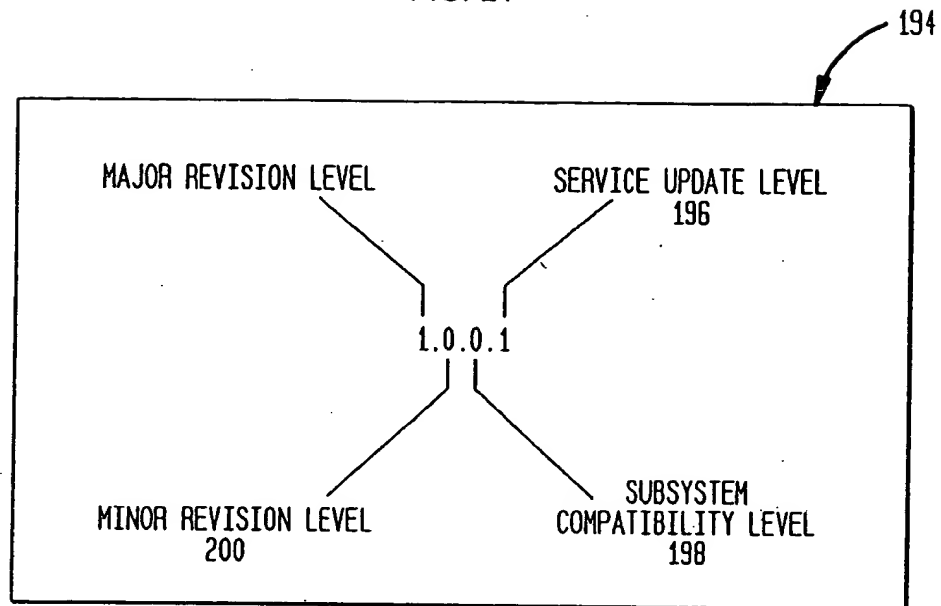
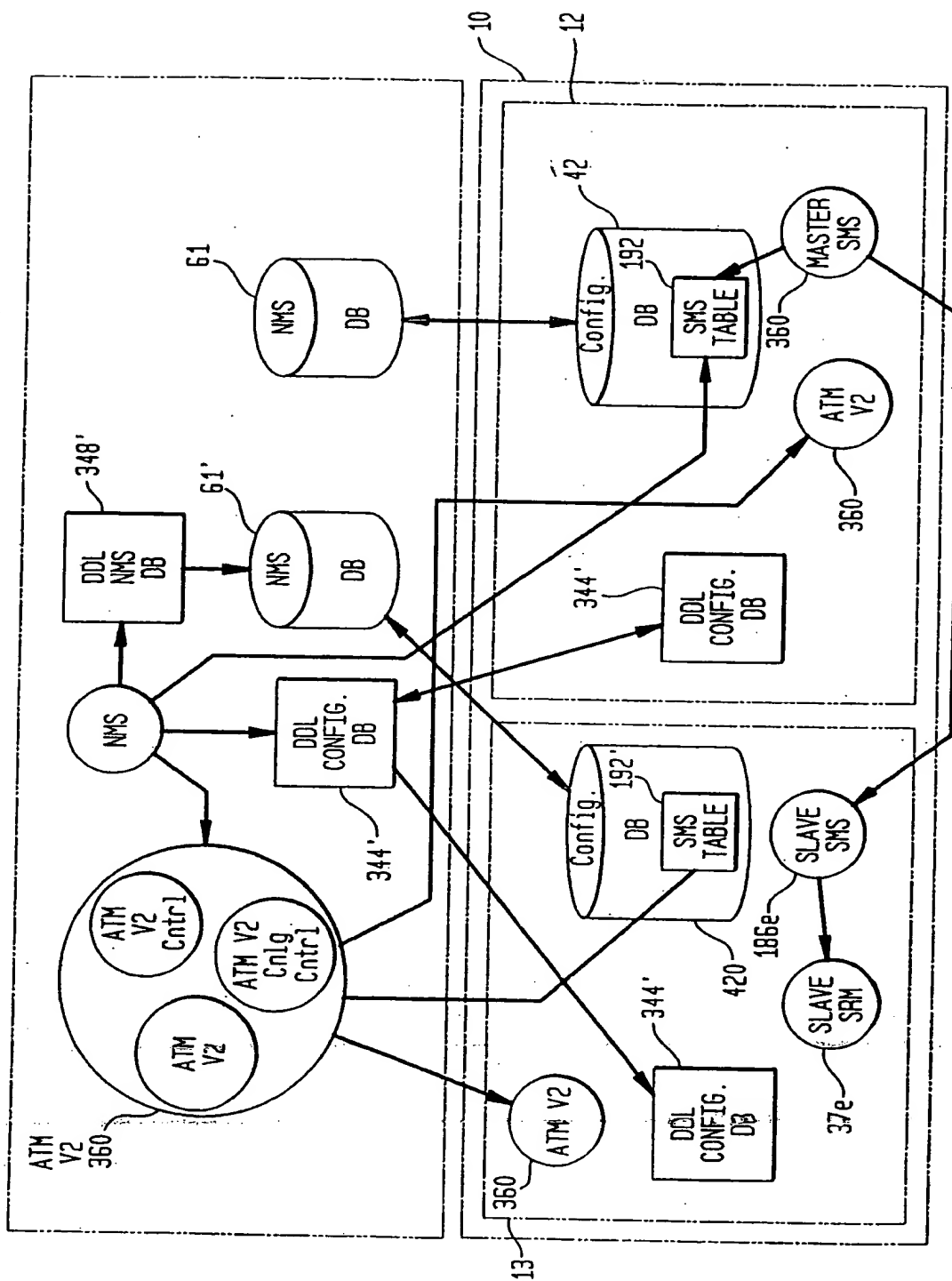
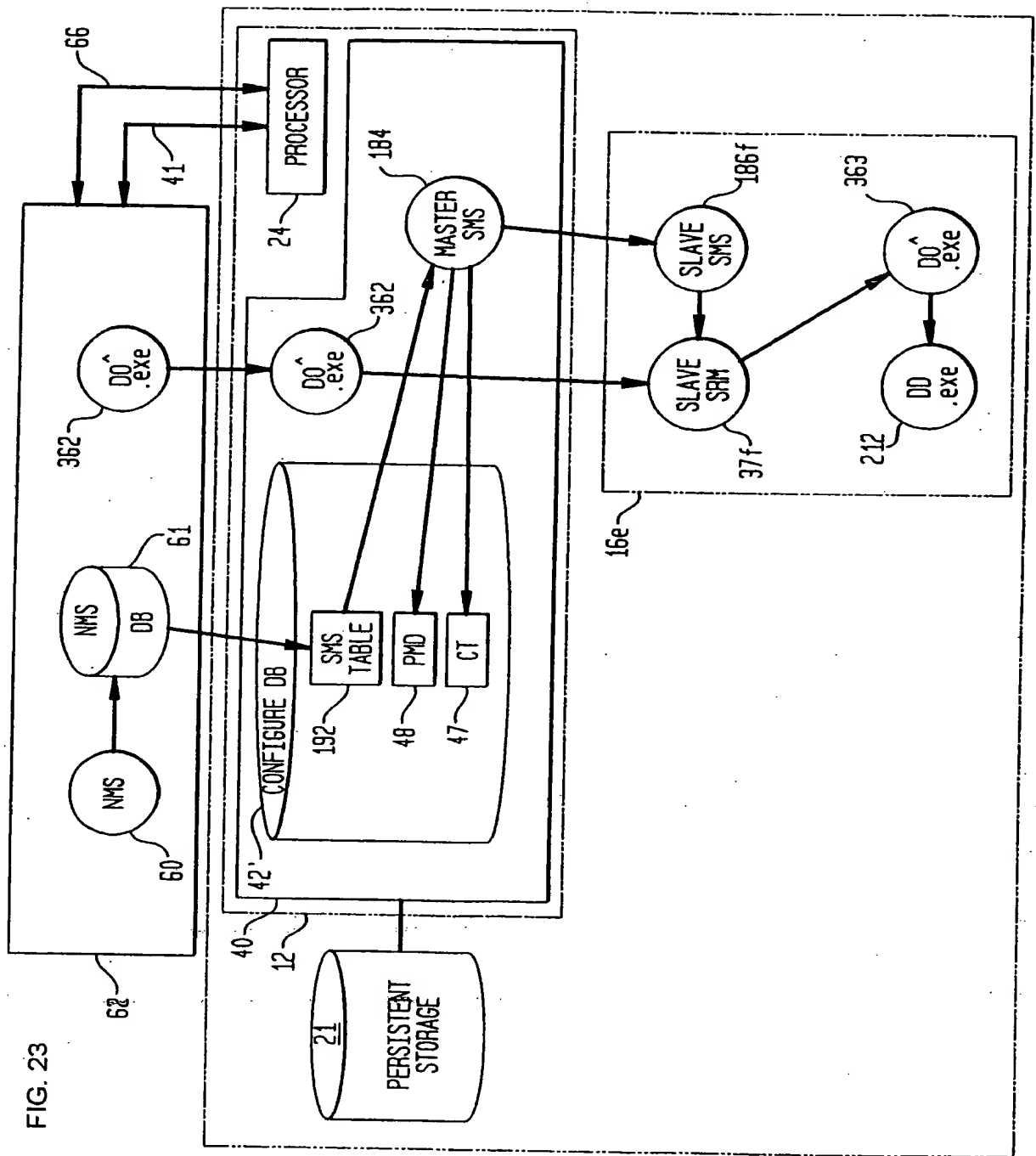


FIG. 22



[illegible]

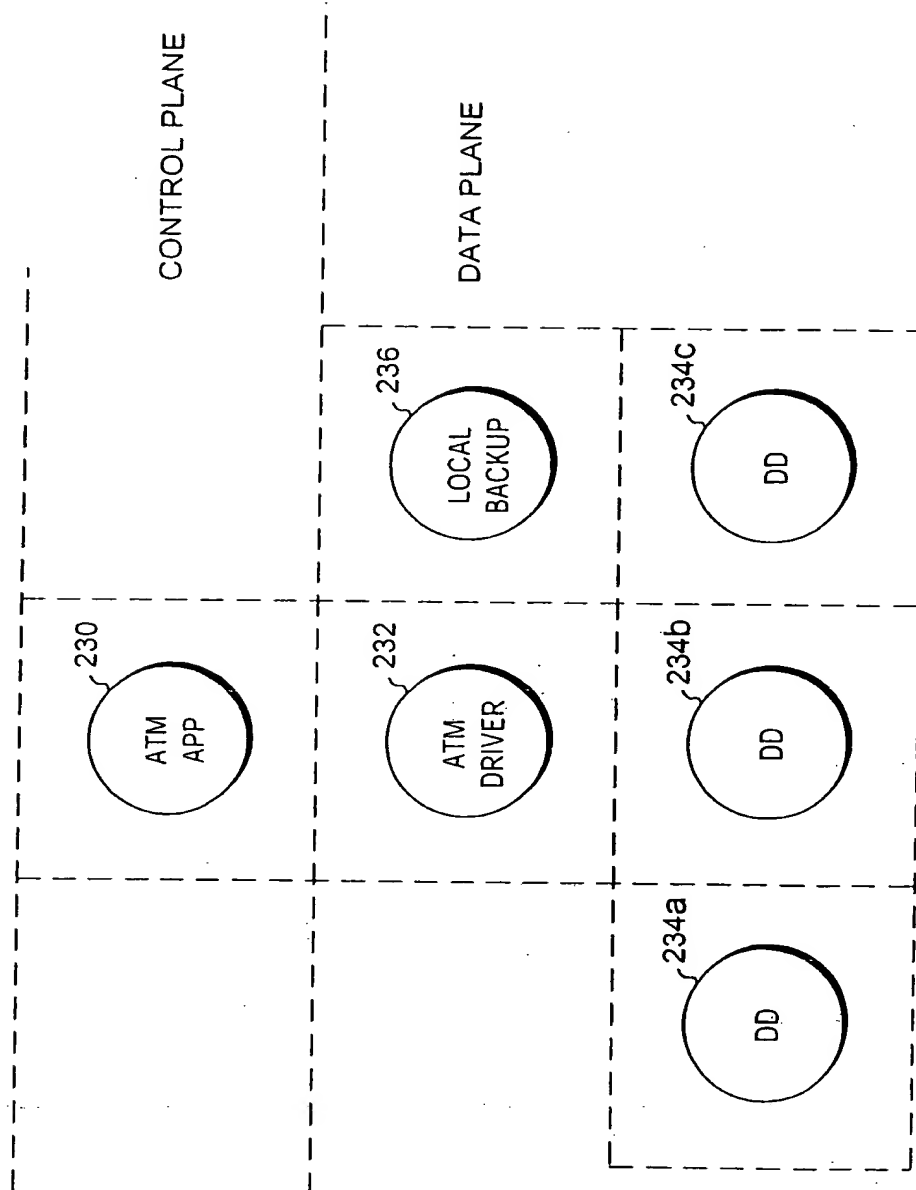


FIG. 24

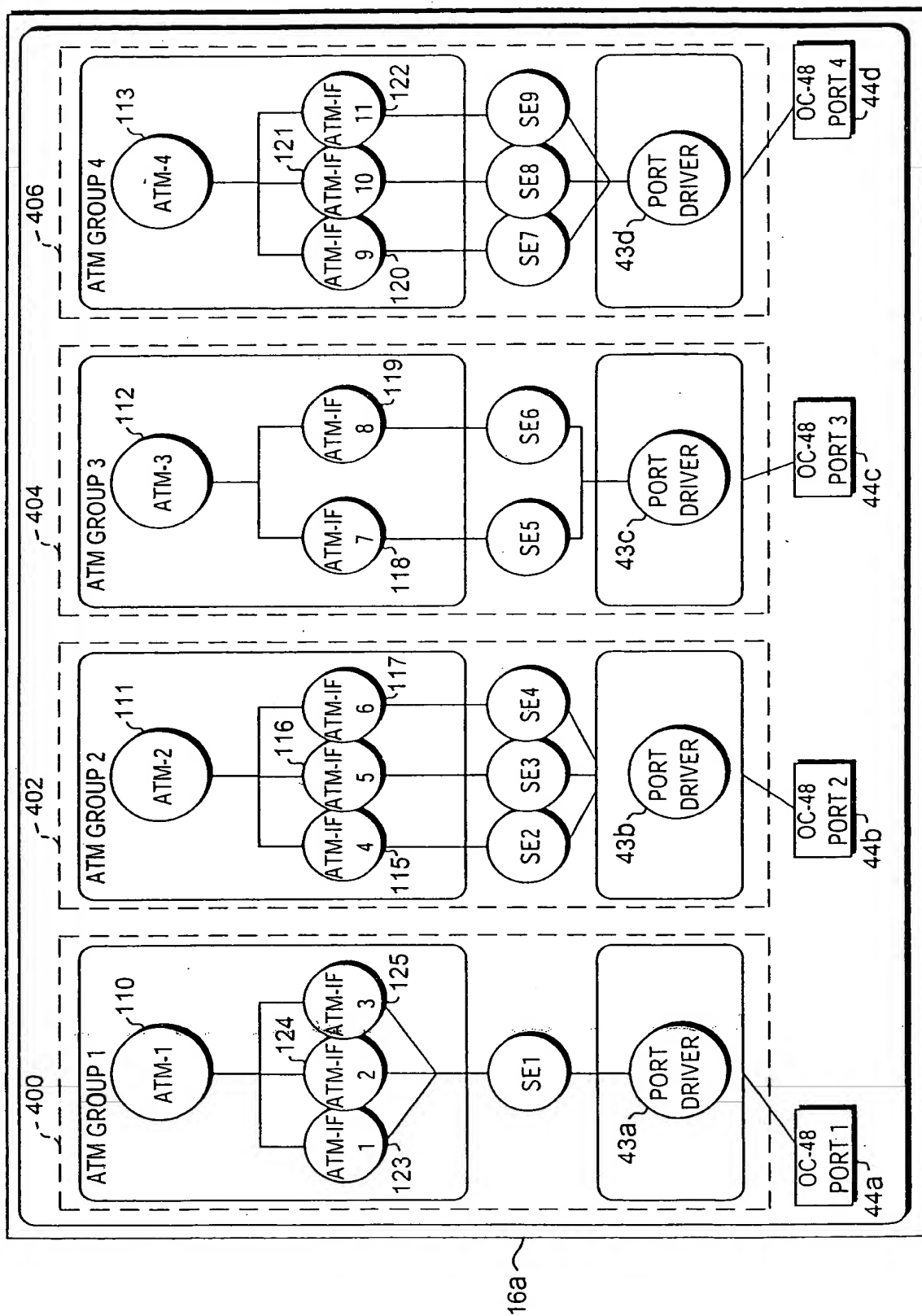


FIG. 25

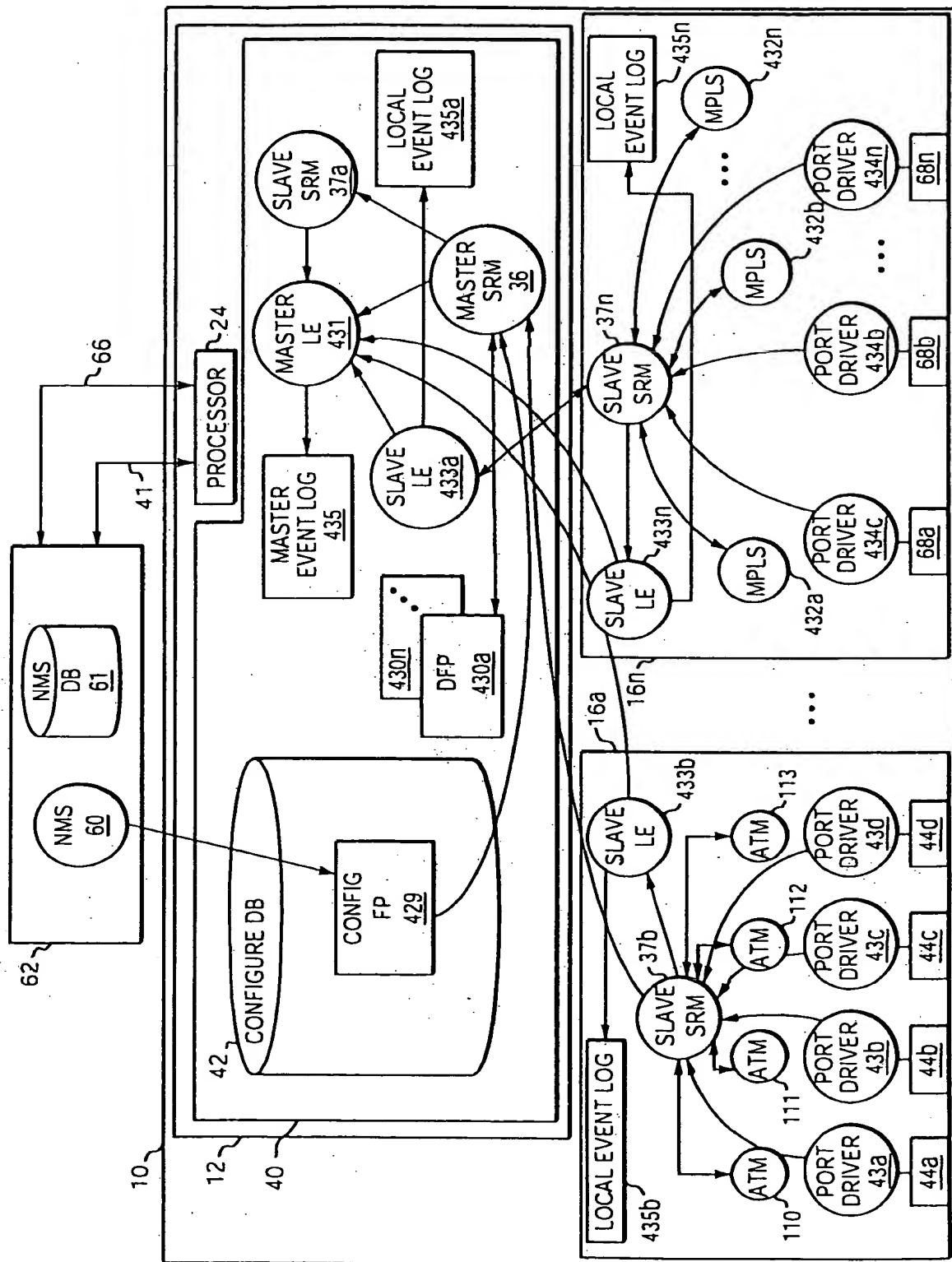


FIG. 26

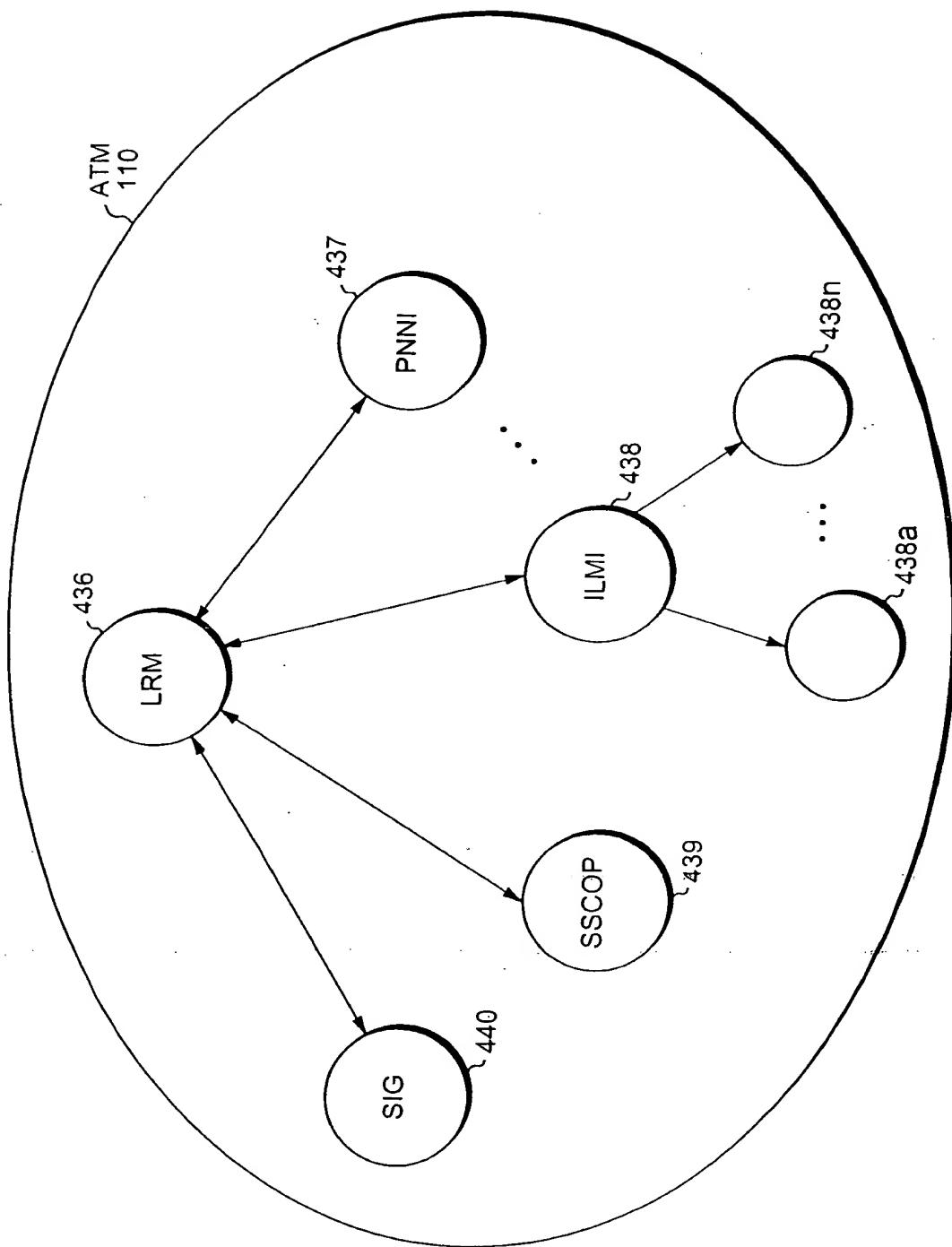


FIG. 27

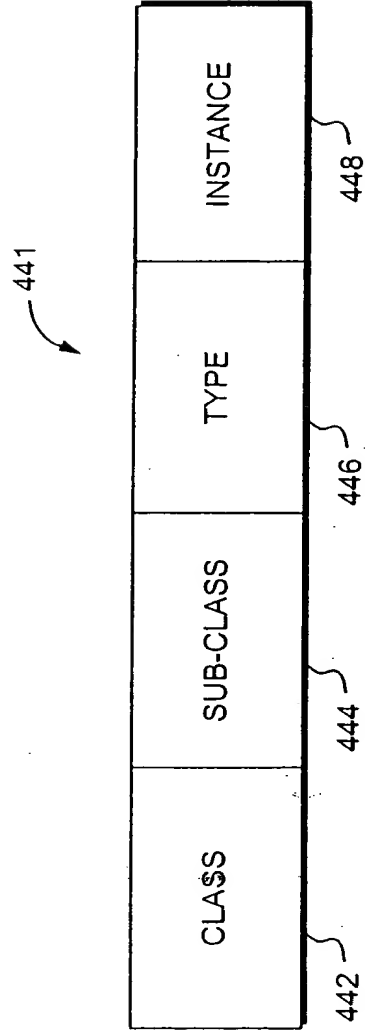


FIG. 28

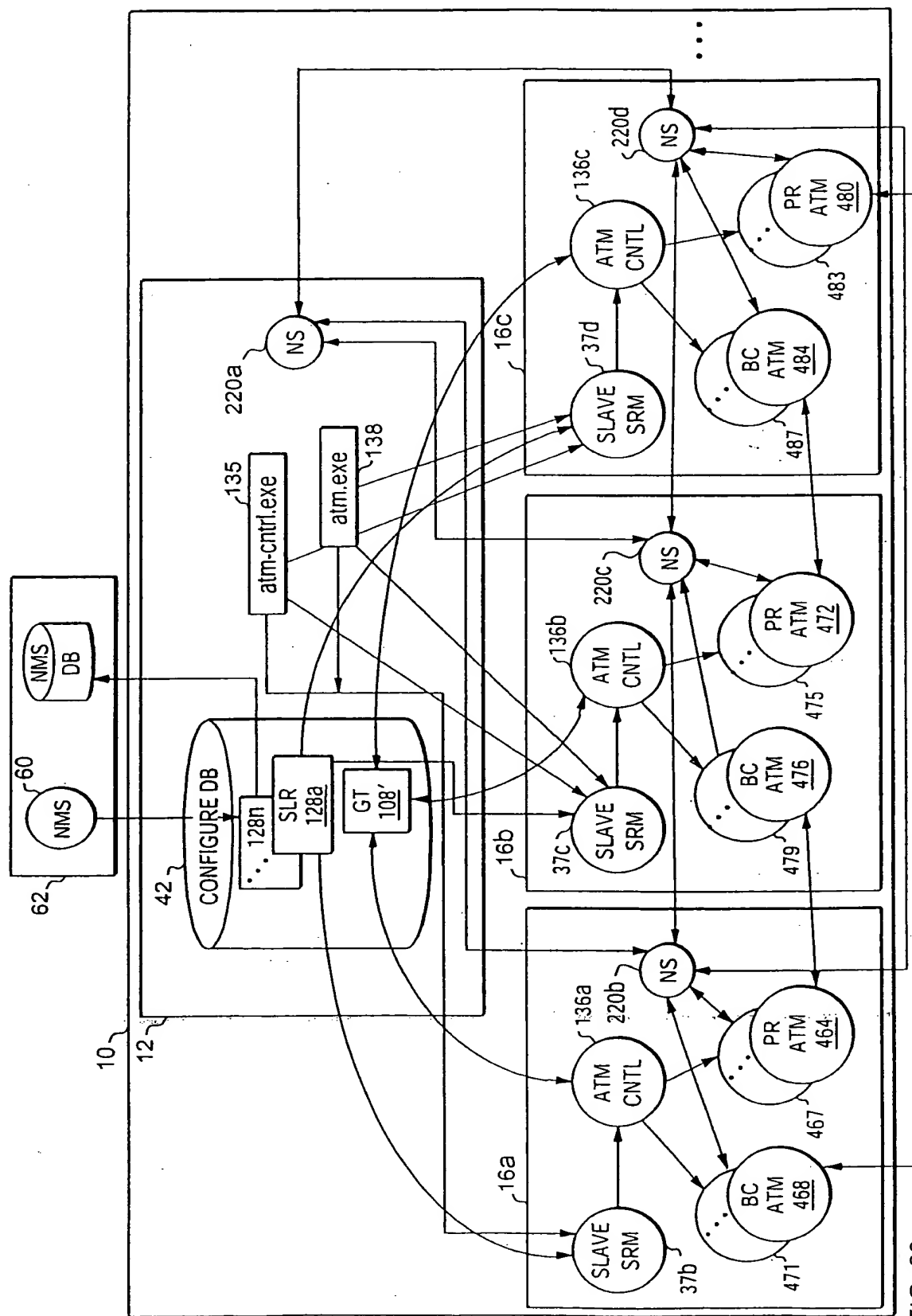


FIG. 29

GROUP TABLE 108'

		447	449	
	GROUP #	PRIMARY CARD LID	BACKUP CARD LID	...
450	1	30	31	
451	2	30	31	
452	3	30	31	
453	4	30	31	
454	5	31	32	
455	6	31	32	
456	7	31	32	
457	8	31	32	
458	9	32	30	
459	10	32	30	
460	11	32	30	
461	12	32	30	
	⋮	⋮	⋮	⋮

FIG. 30

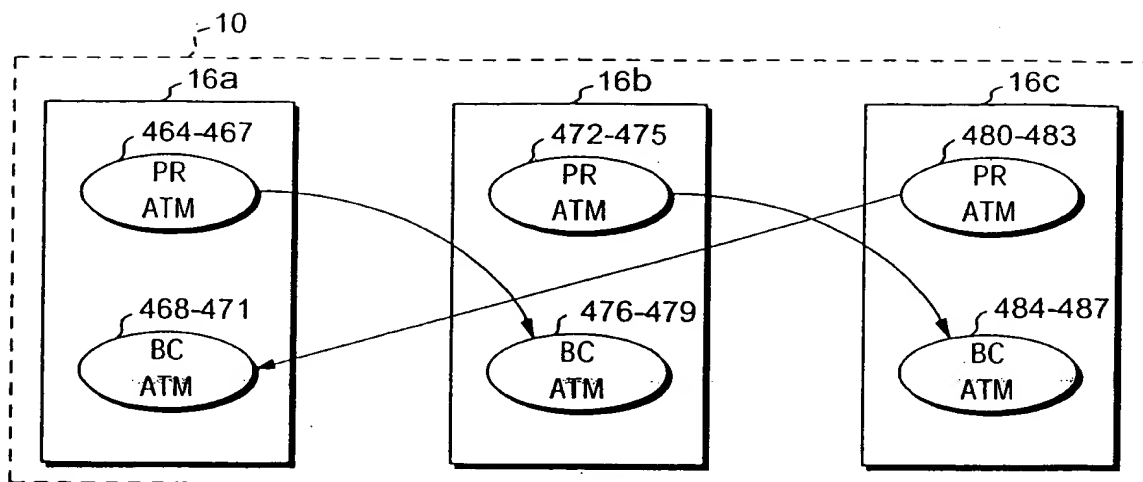


FIG. 31A

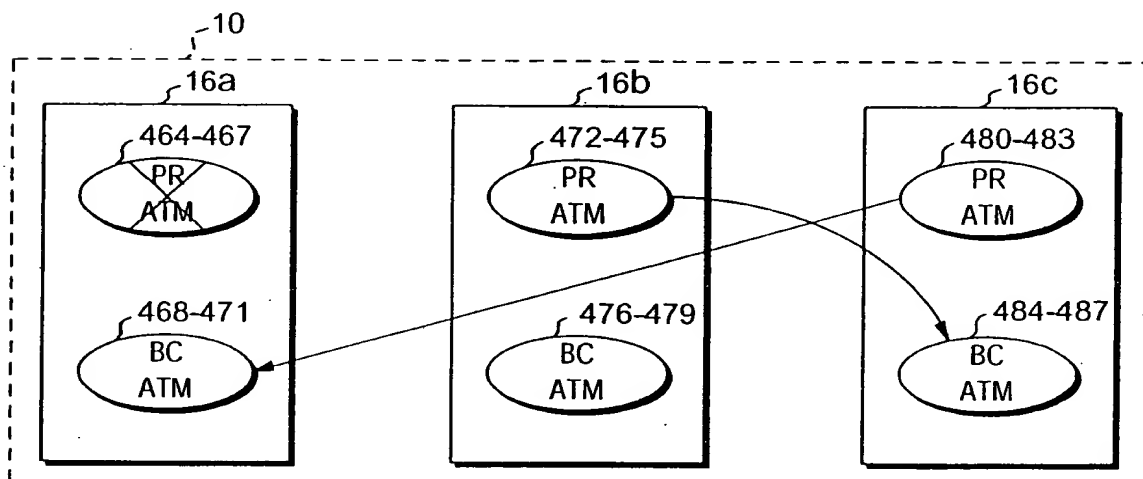


FIG. 31B

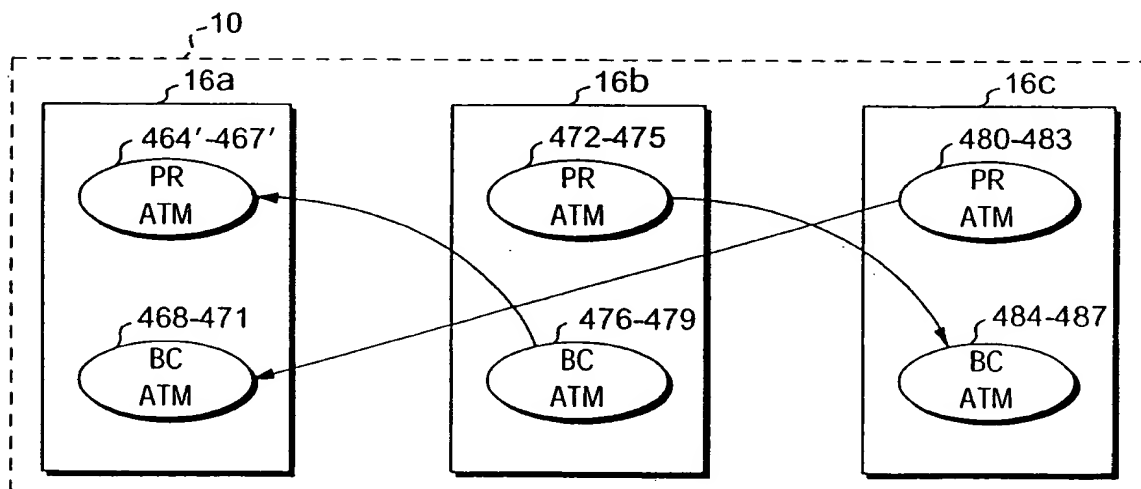


FIG. 31C

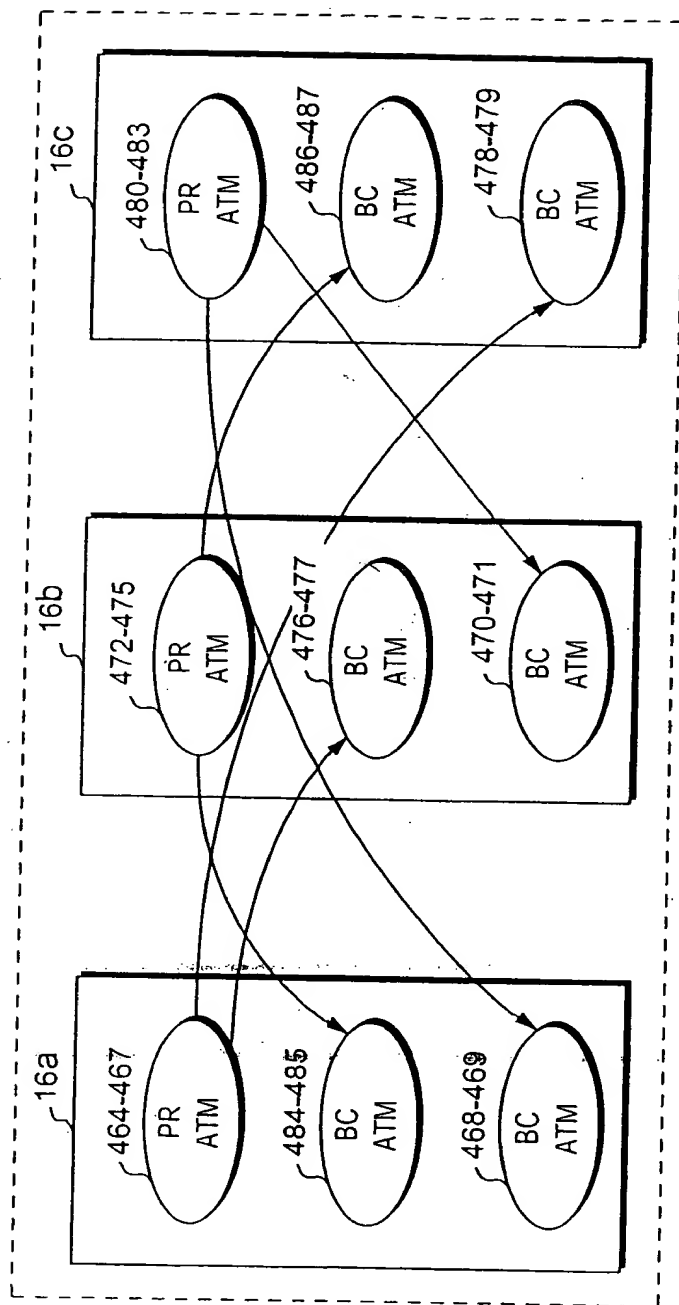


FIG. 32A

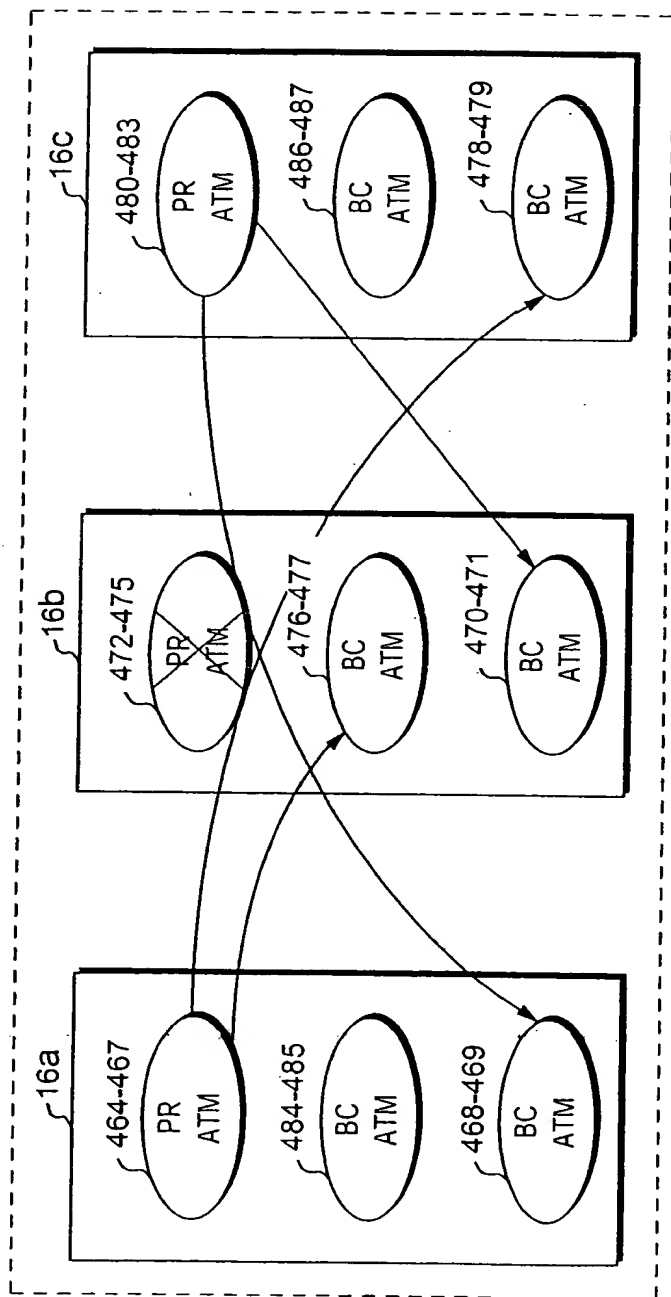


FIG. 32B

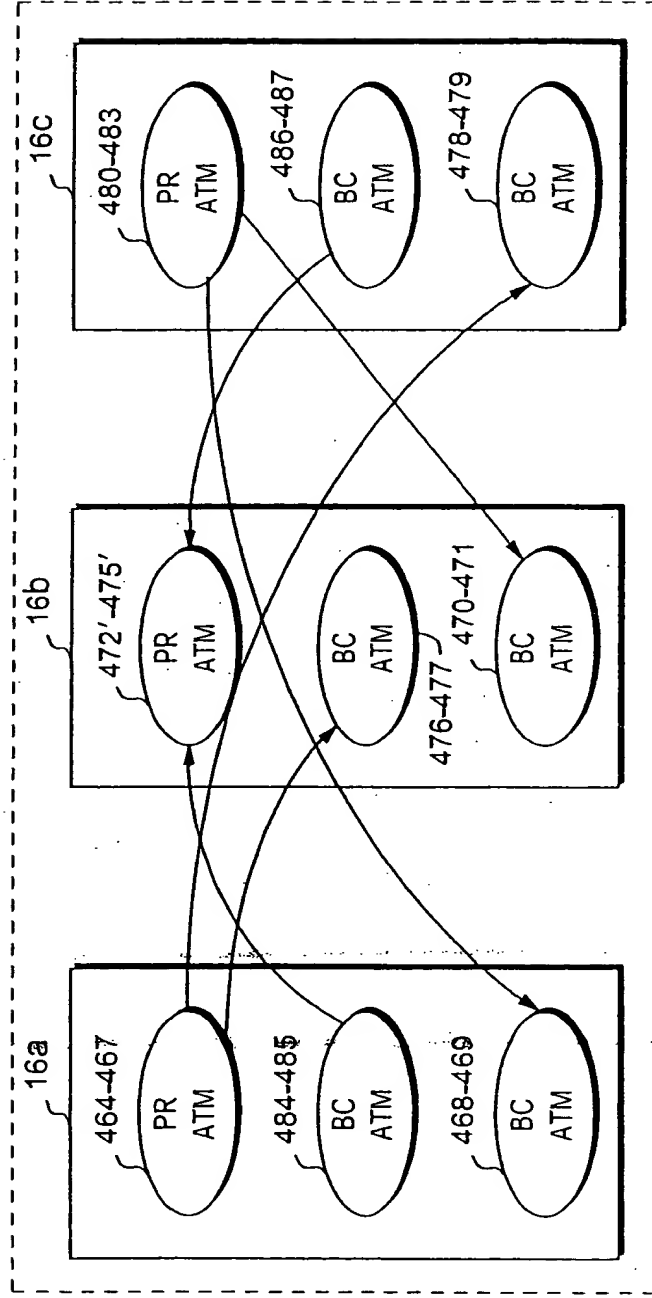


FIG. 32C

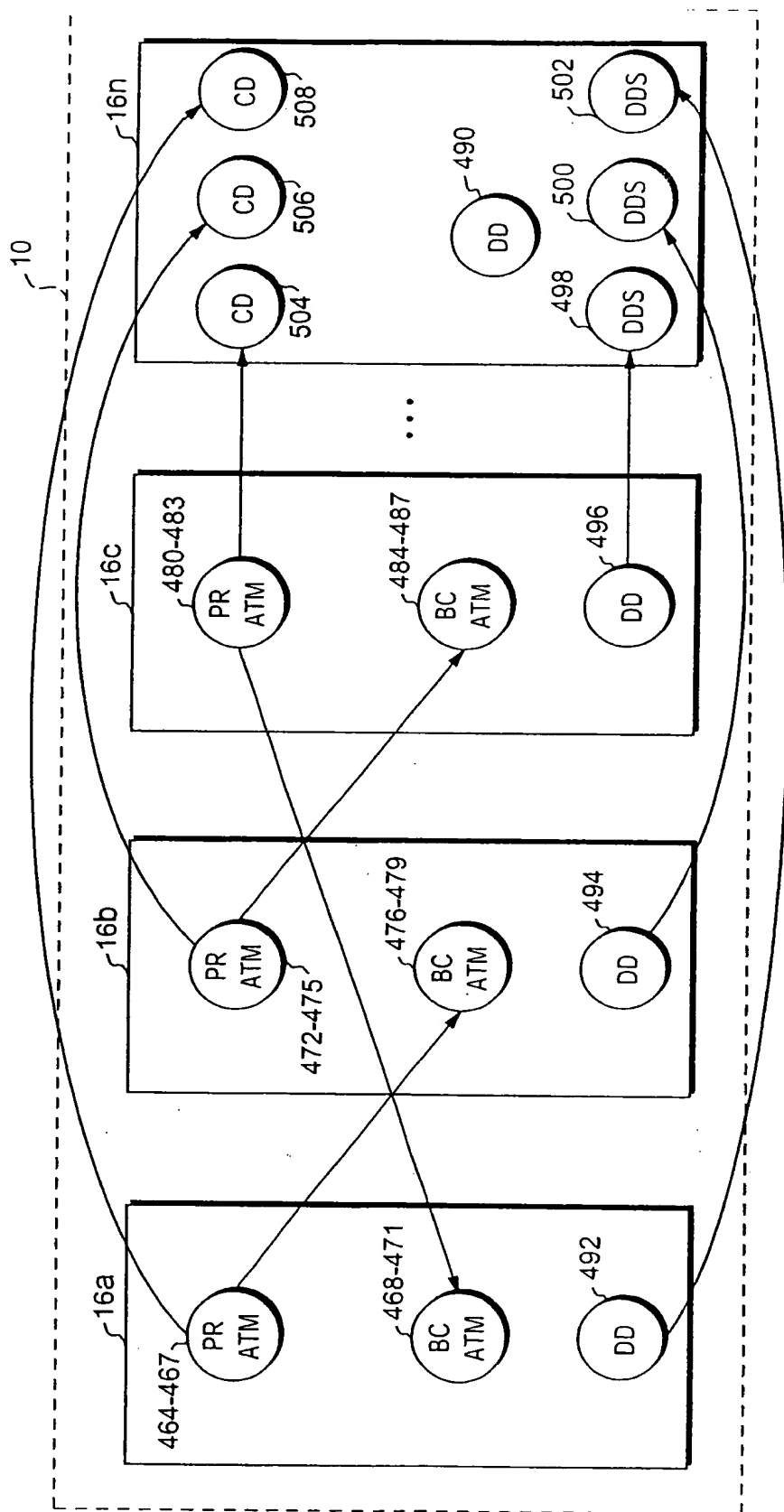


FIG. 33A

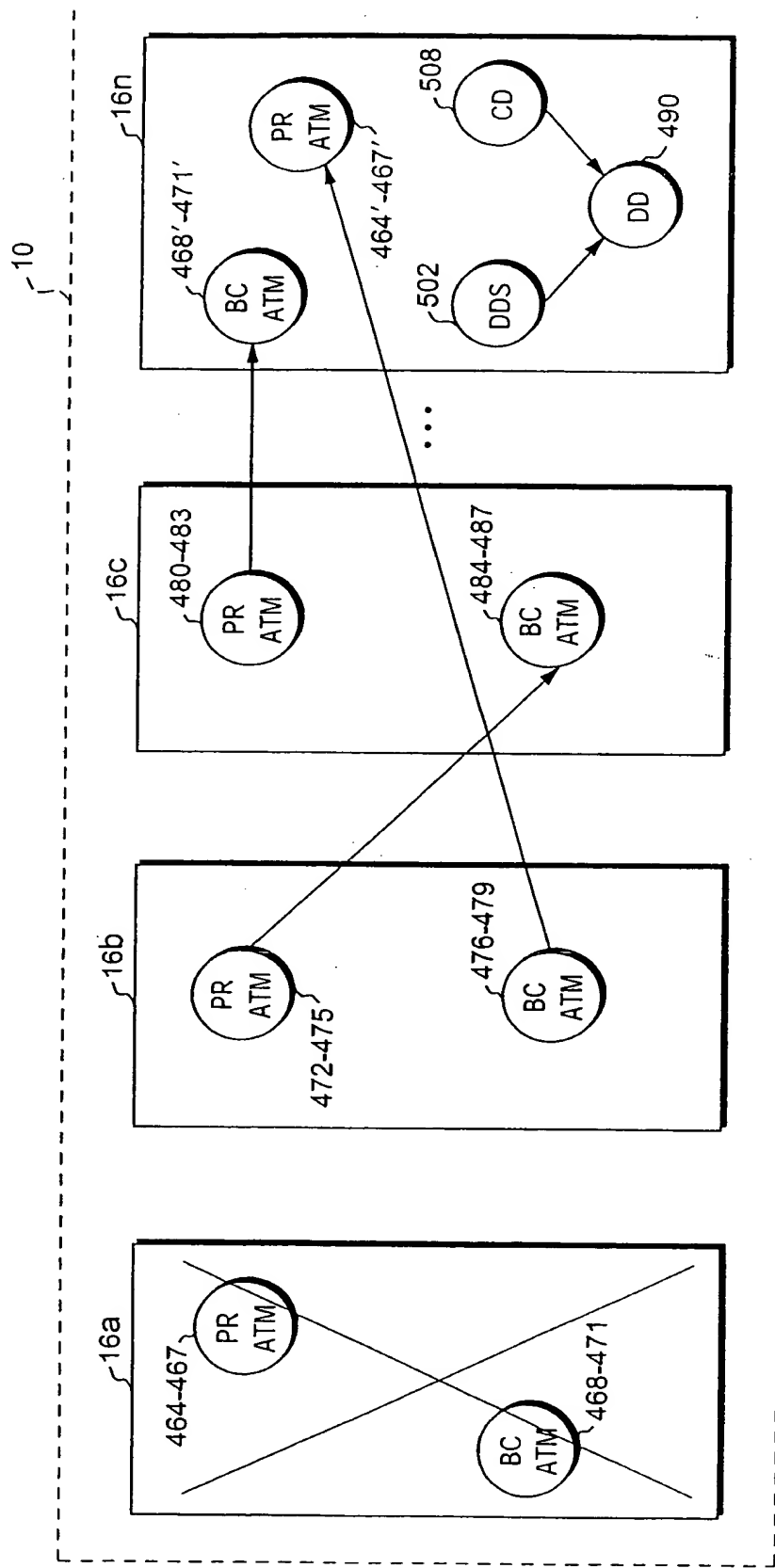


FIG. 33B

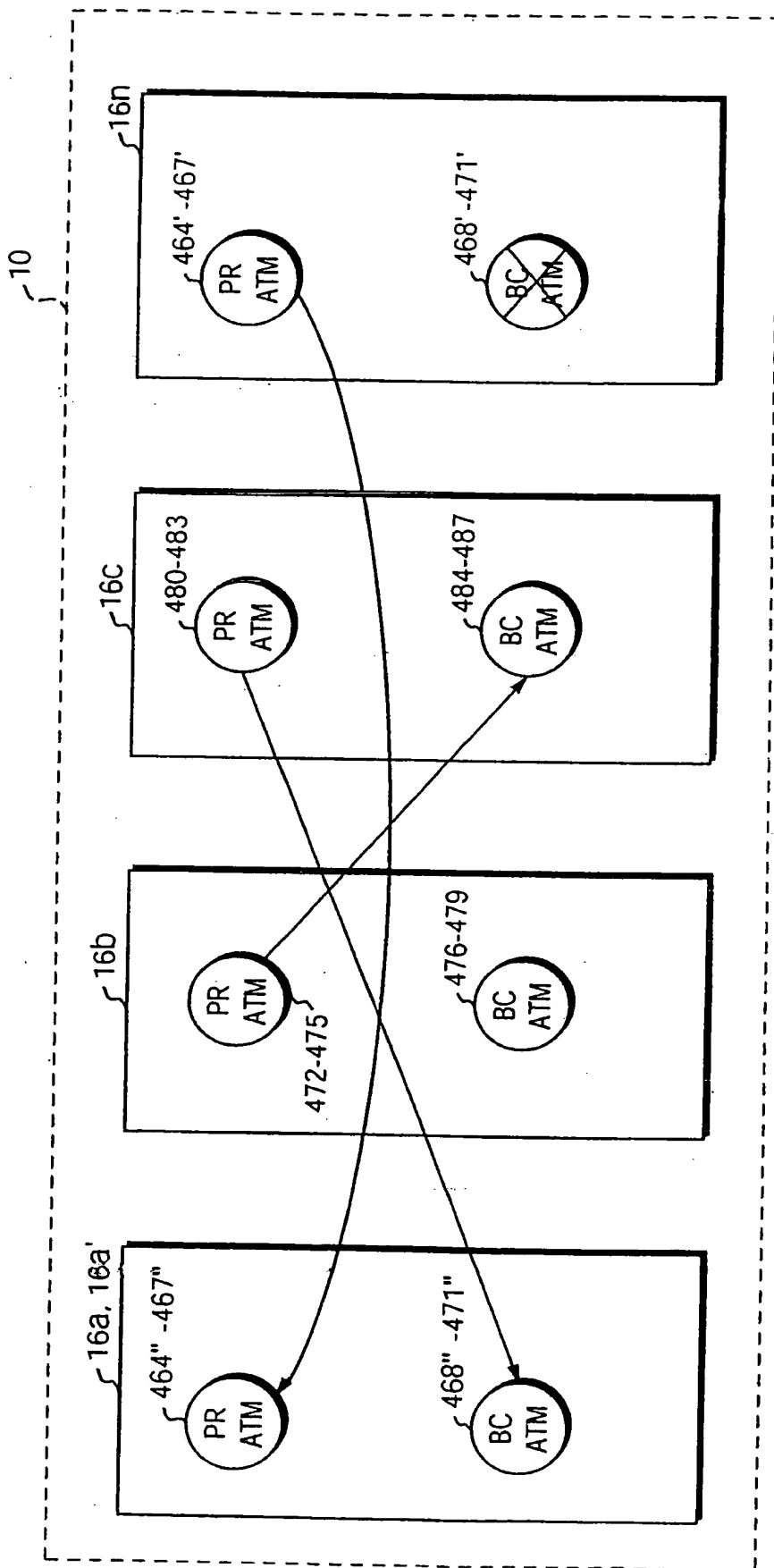


FIG. 33C

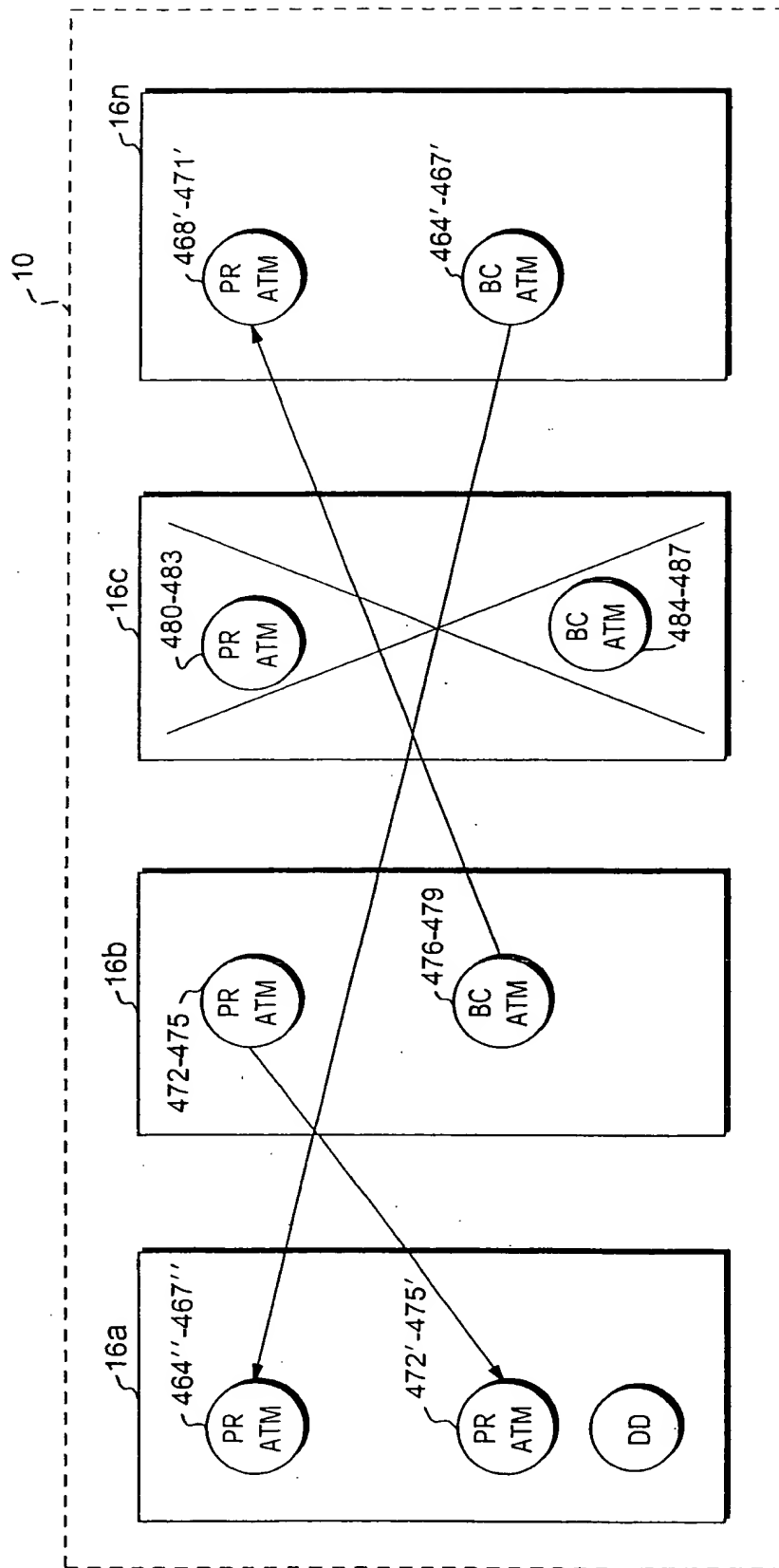


FIG. 33D

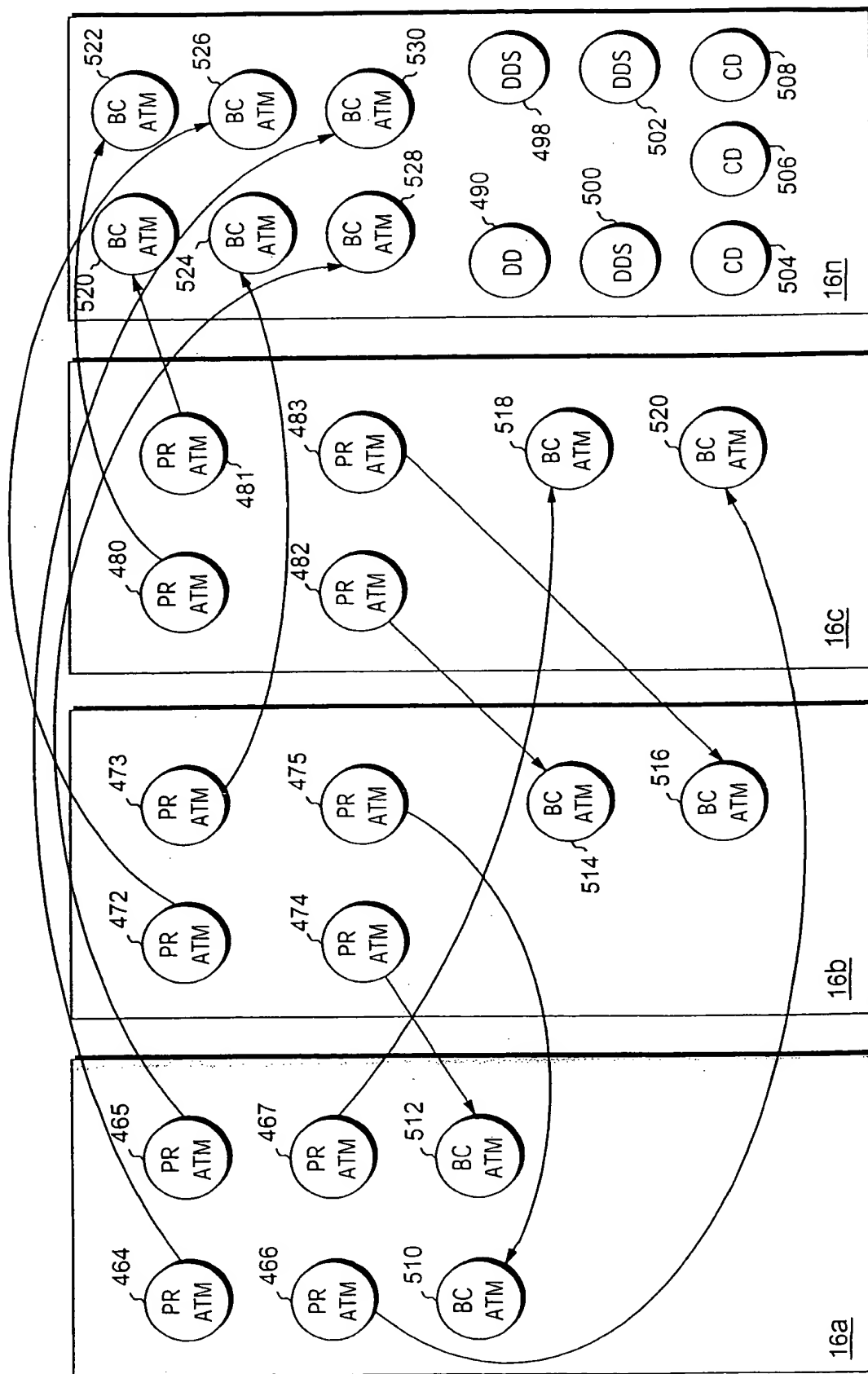


FIG. 34A

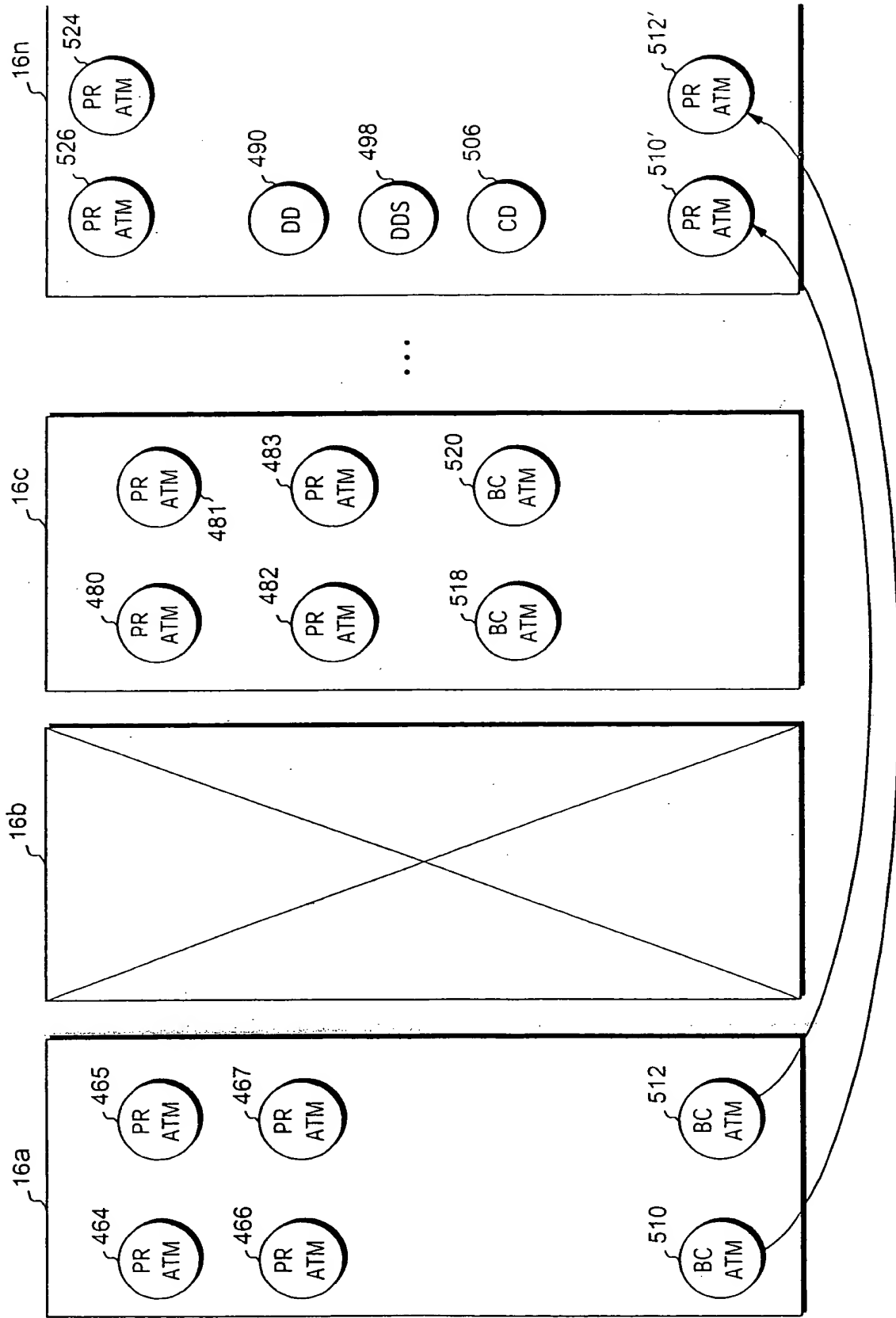


FIG. 34B

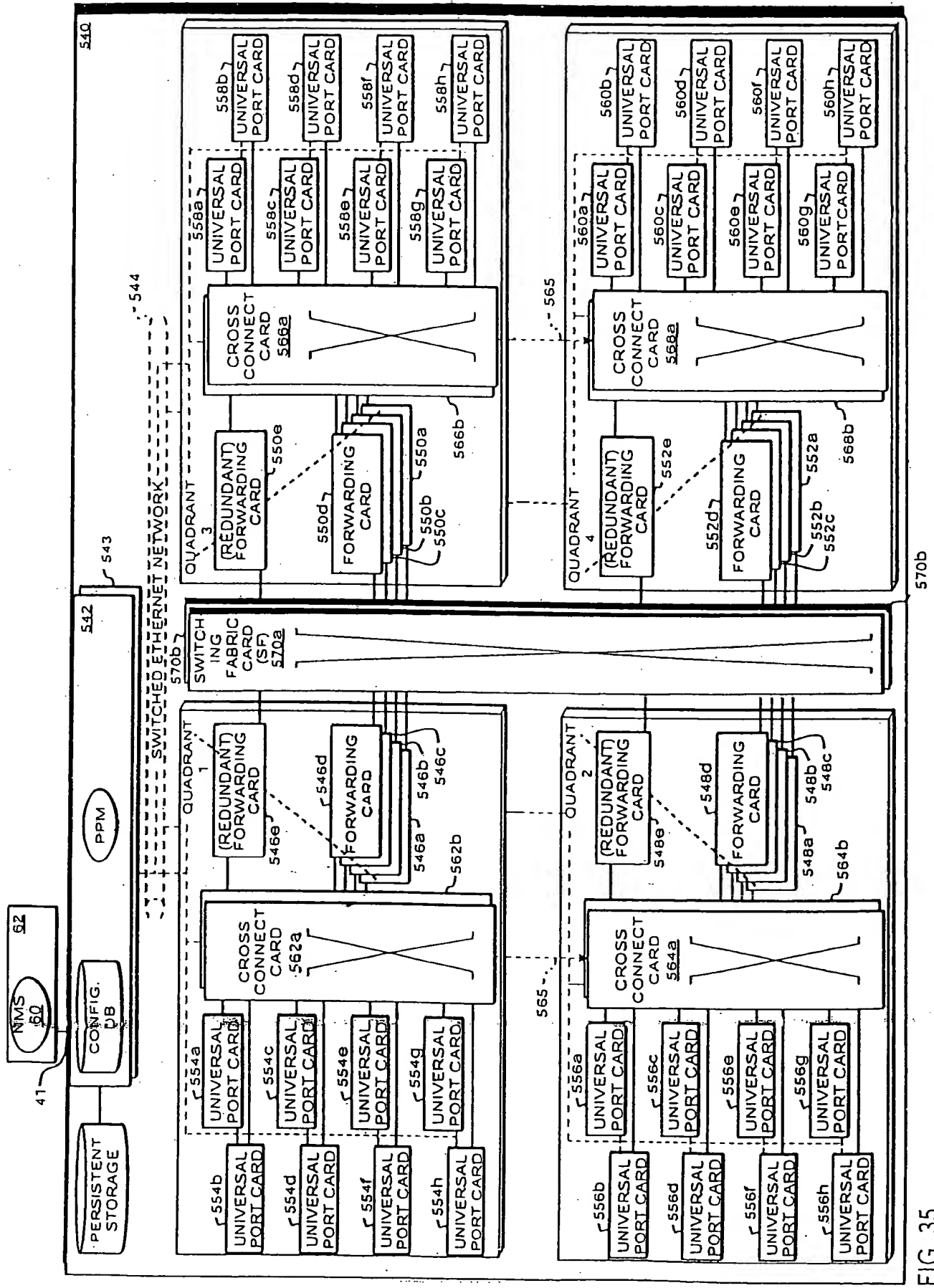


FIG. 35

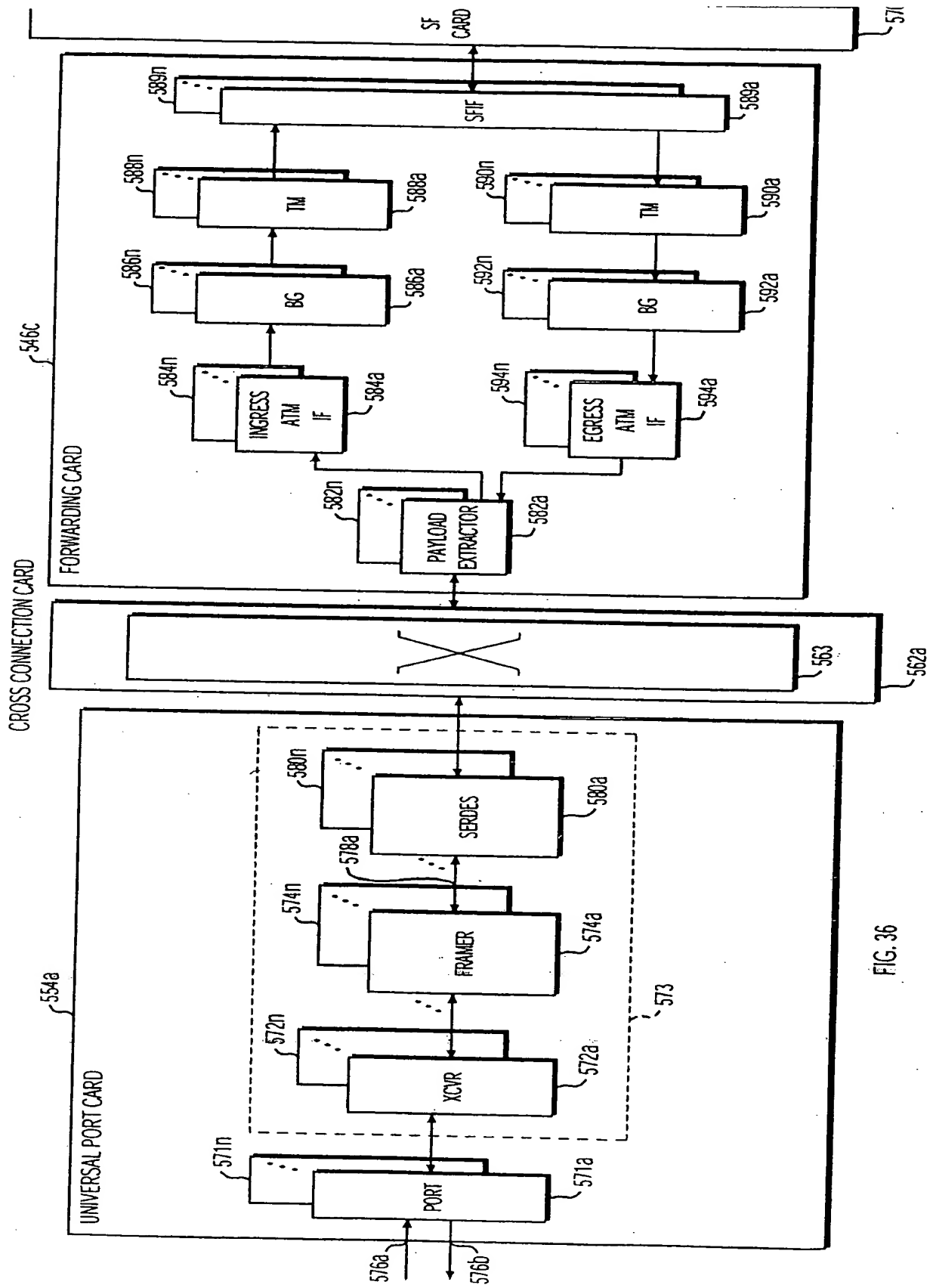


FIG. 36

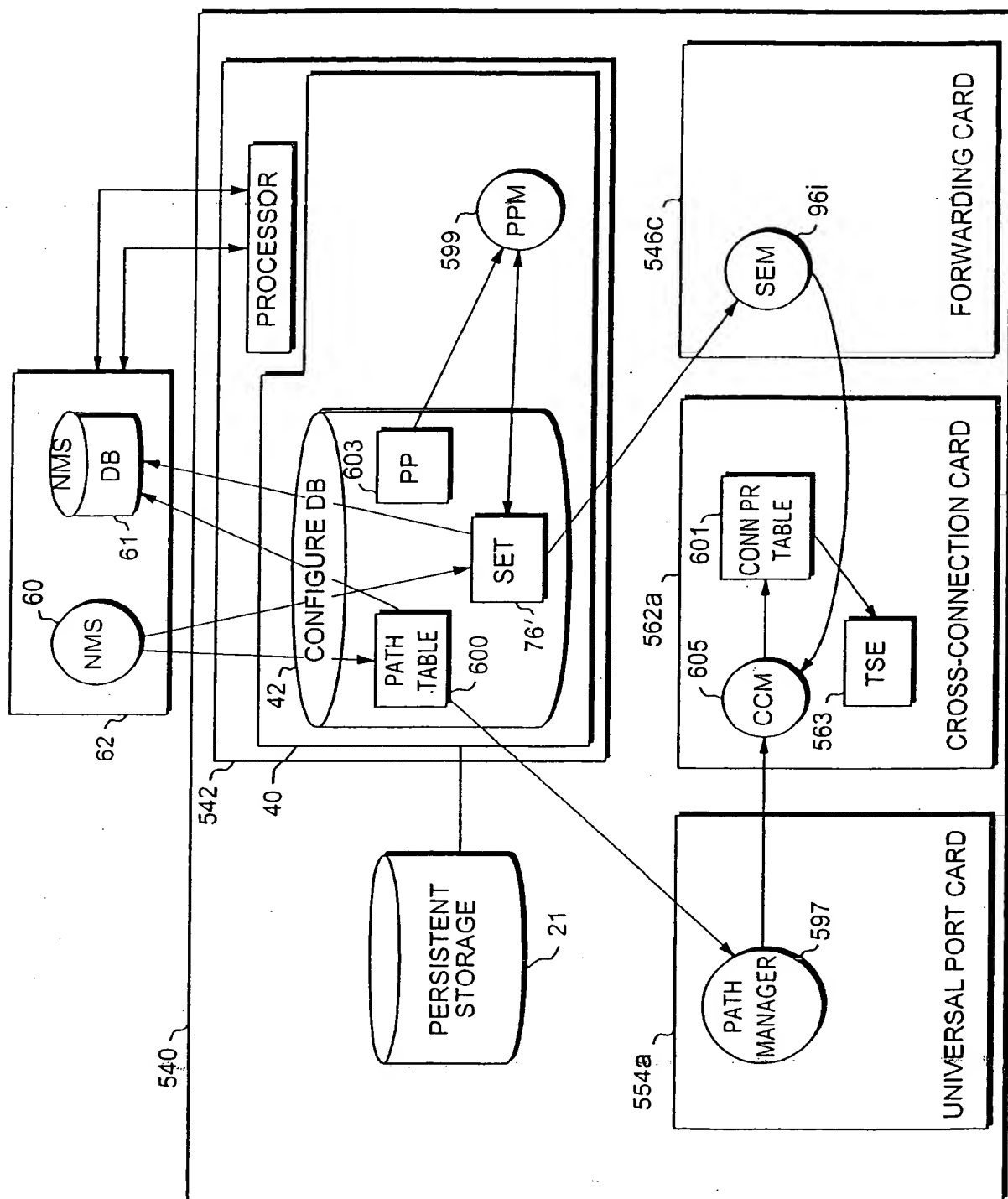


FIG. 37

PATH TABLE 600

602

PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	...
1666	1231	4	3	
⋮	⋮	⋮	⋮	⋮

FIG. 38

SERVICE END POINT TABLE 76'

			606	608	610		
	SE #	Q #	FC LID	FC SLICE	FC TIME SLOT	PATH PID	...
604	878	1				1666	
	:	:	:	:	:	:	:

FIG. 39

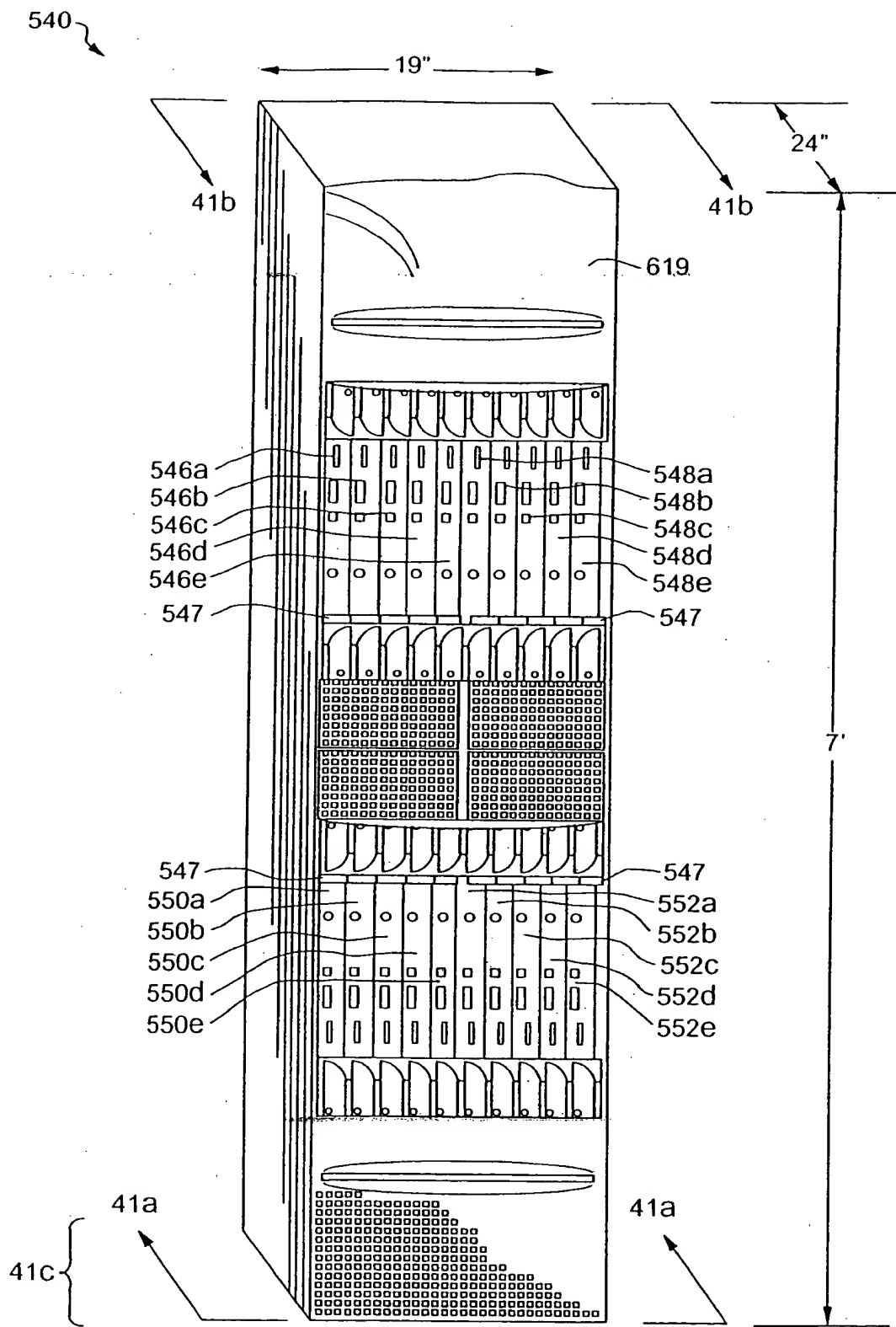


FIG. 40

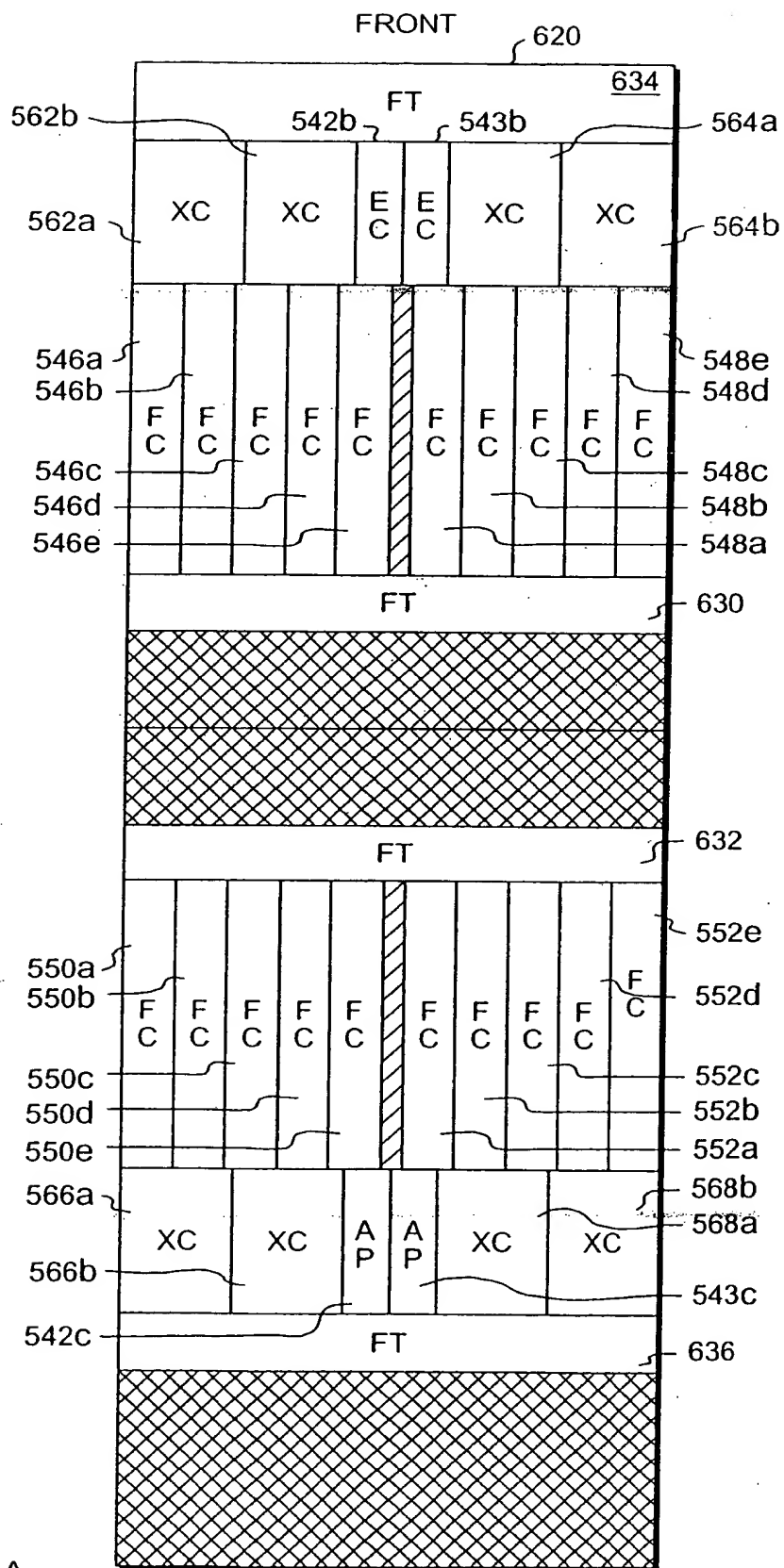


FIG. 41A

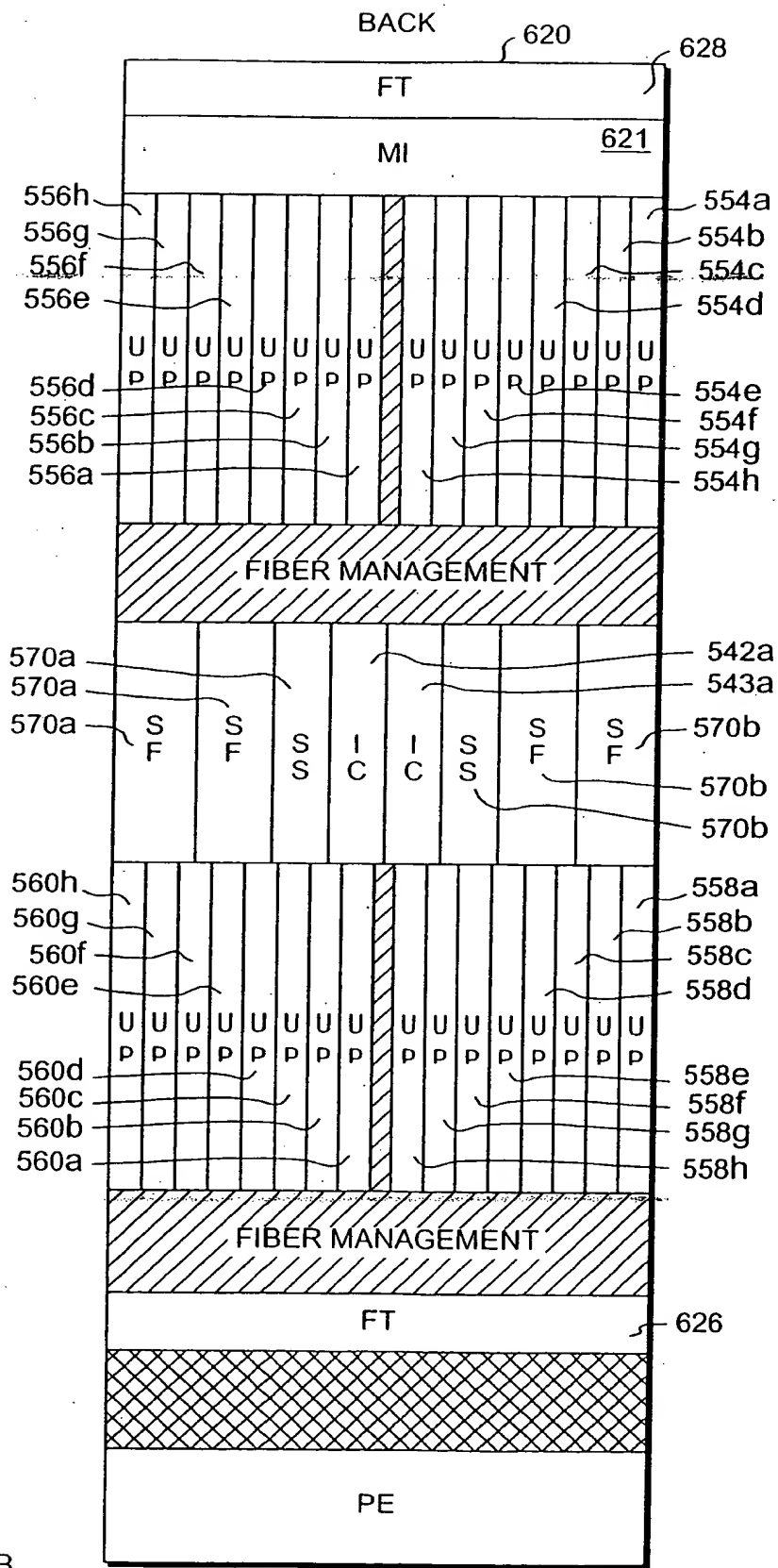


FIG. 41B

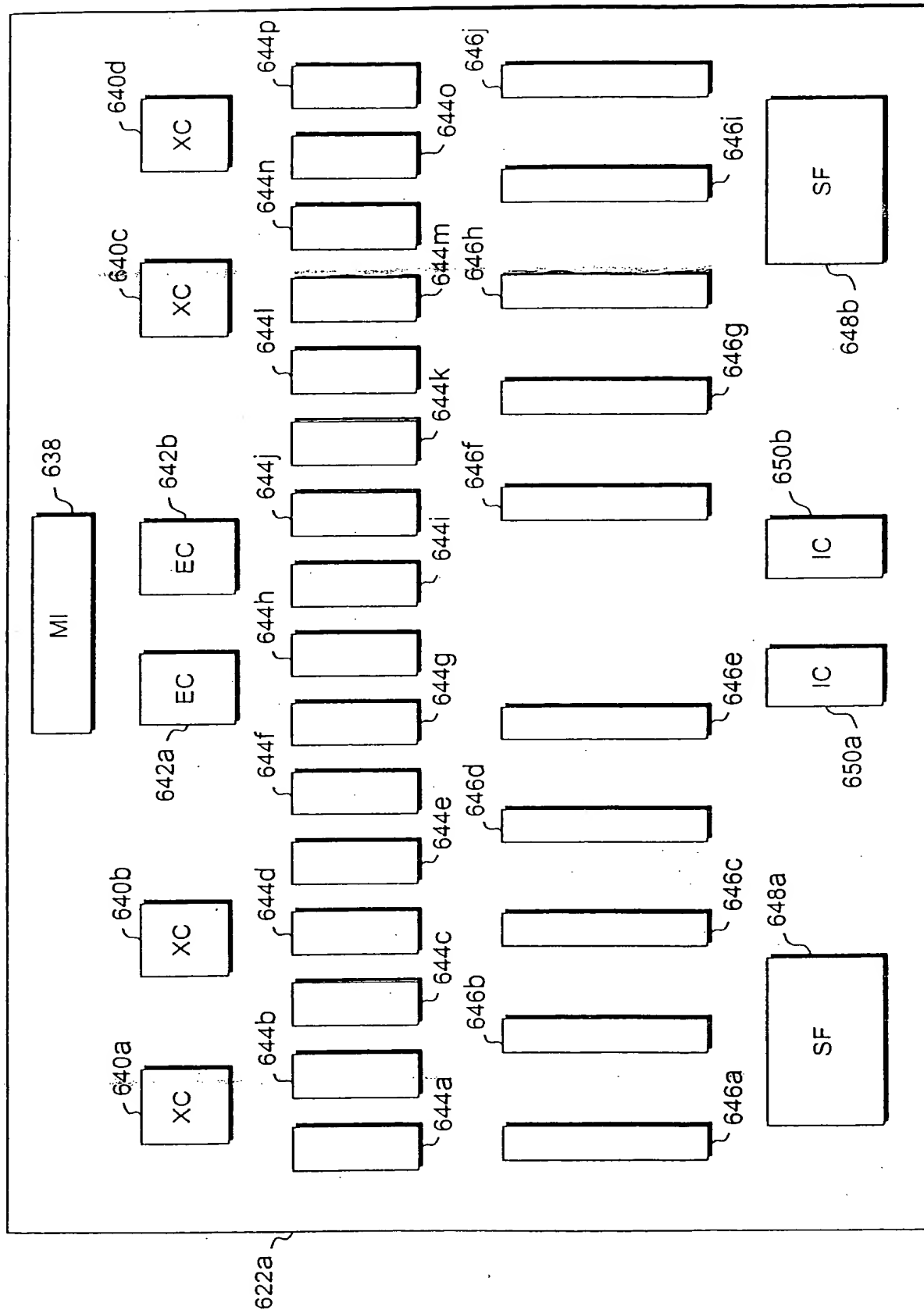


FIG. 42A

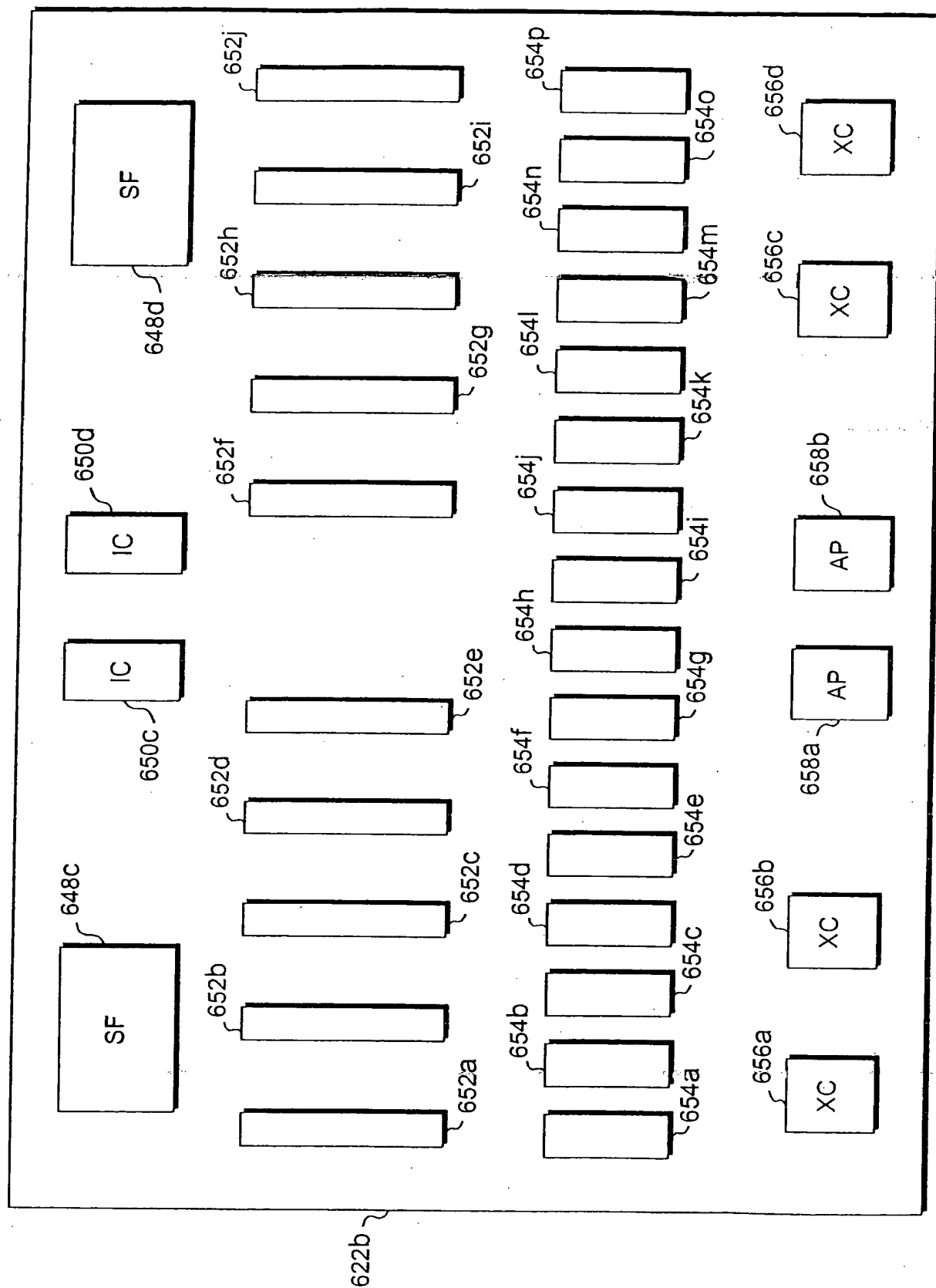


FIG. 42B

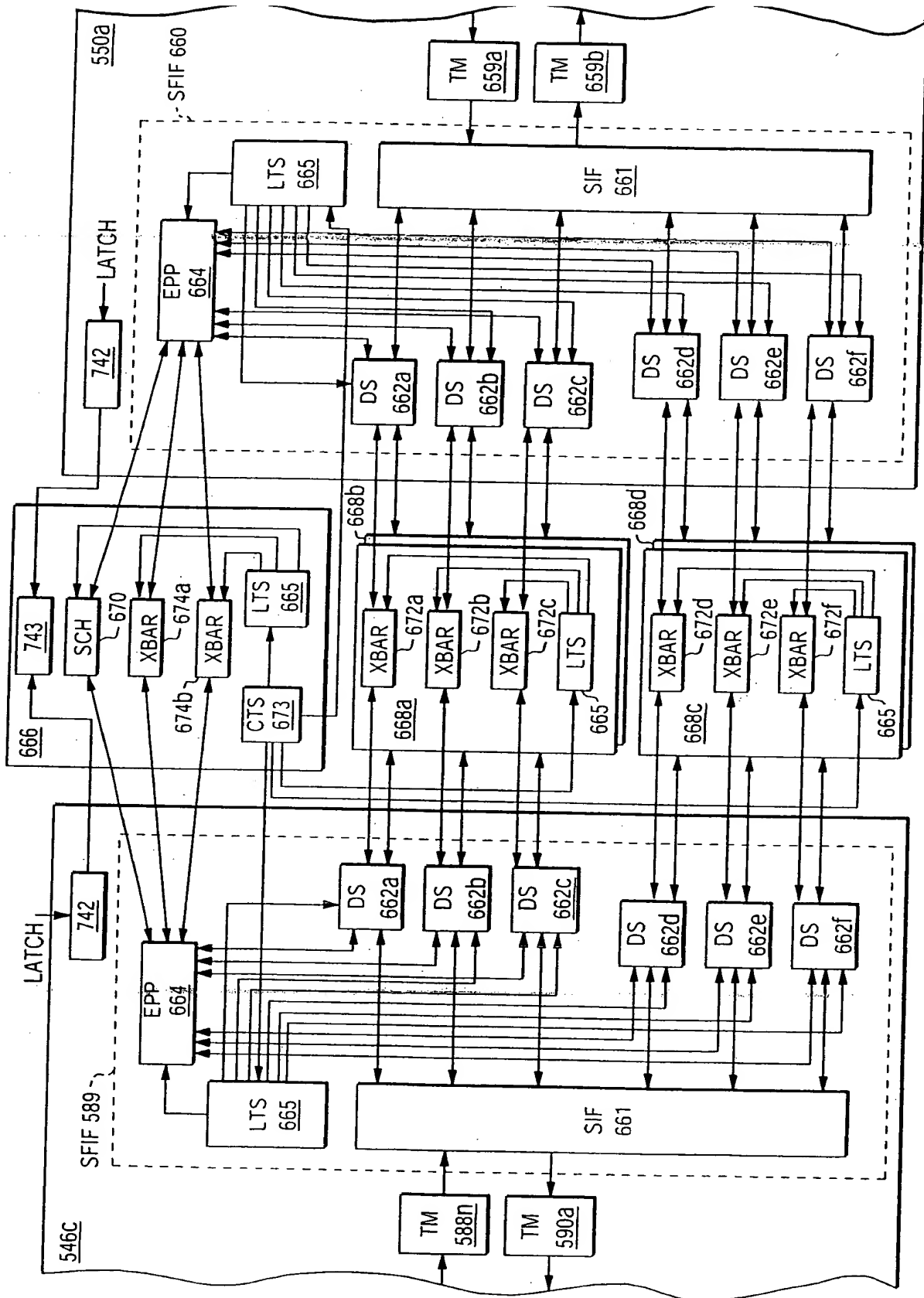


FIG. 43

540

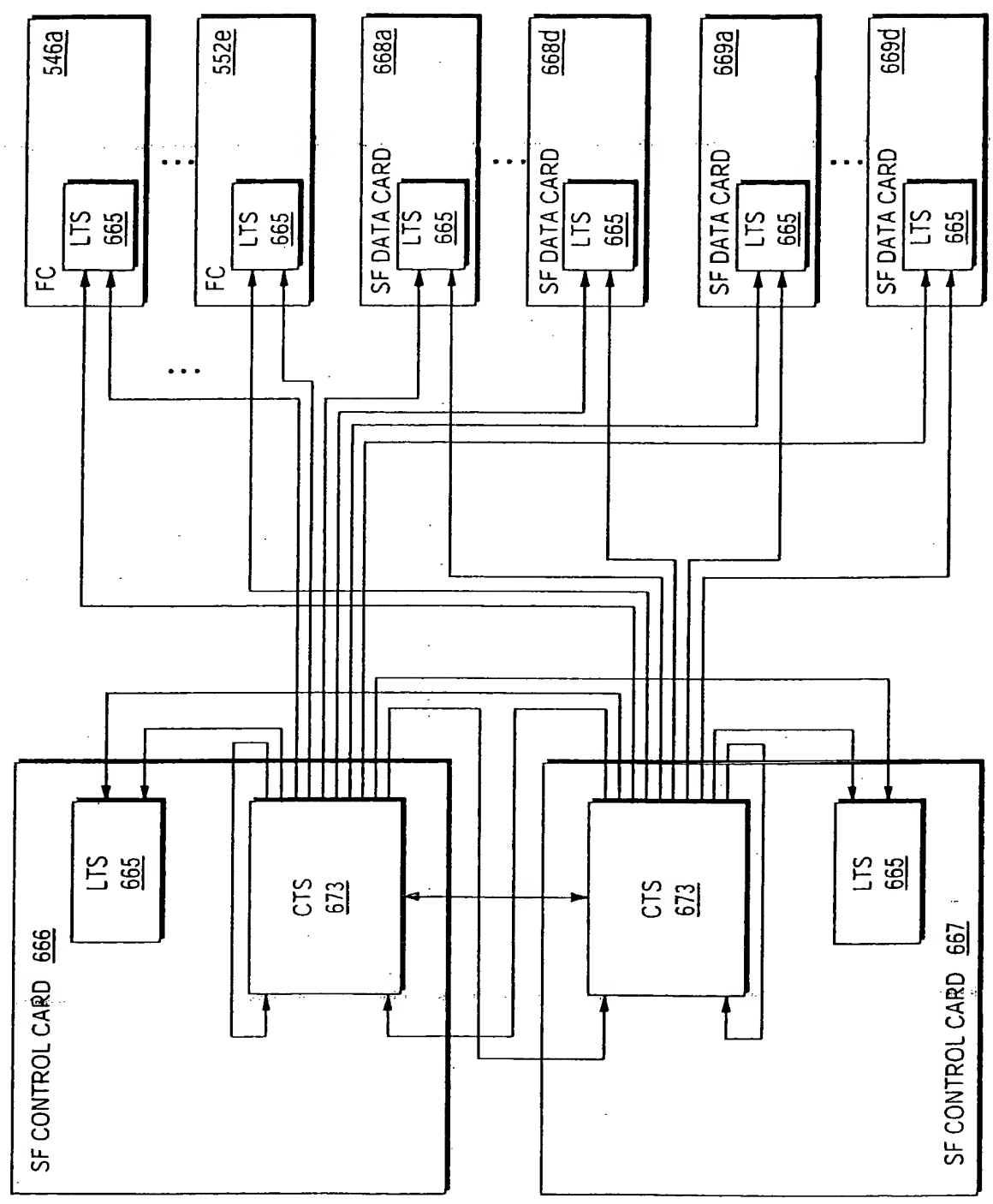


FIG. 44

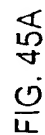


FIG. 45B

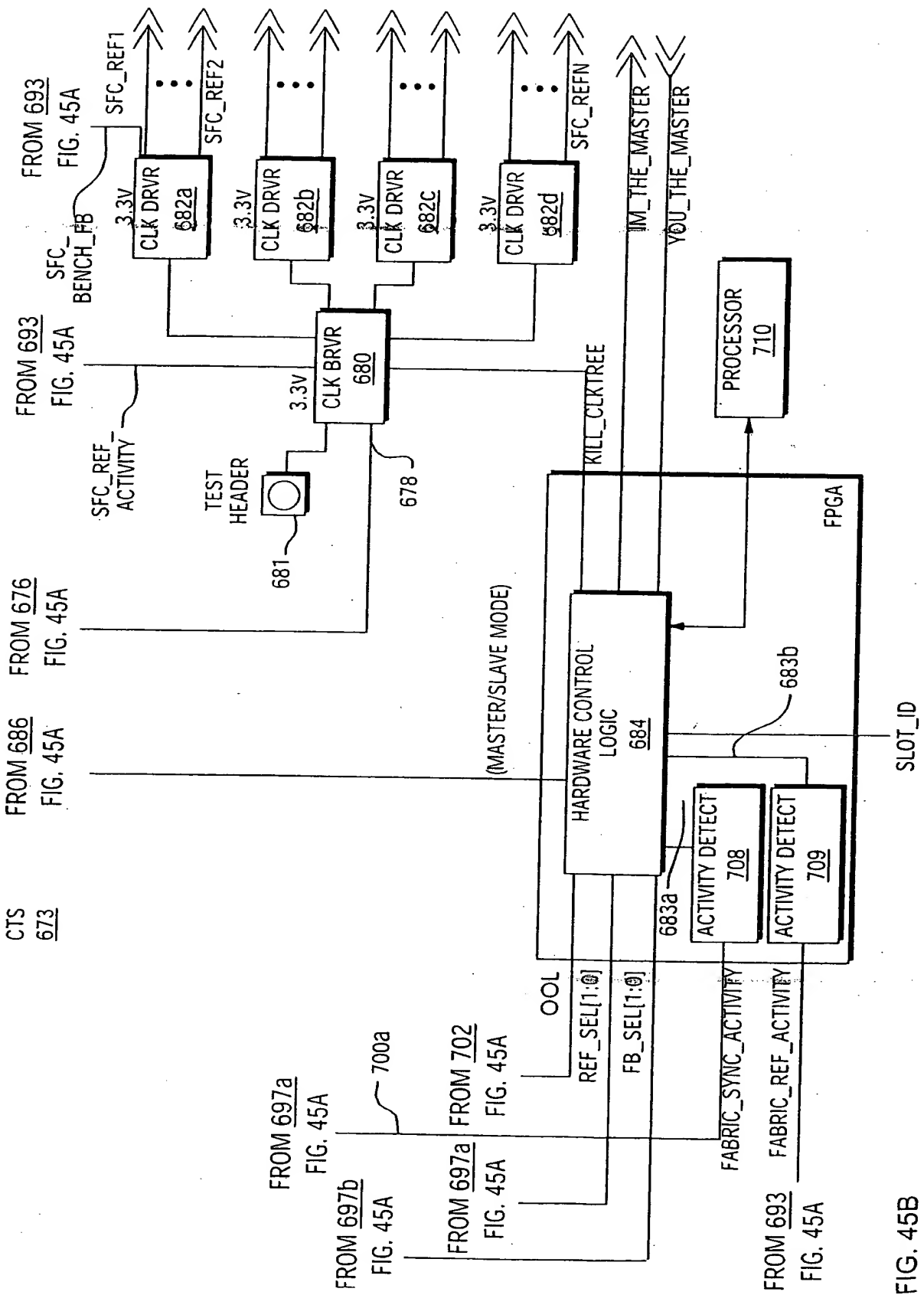


FIG. 45B

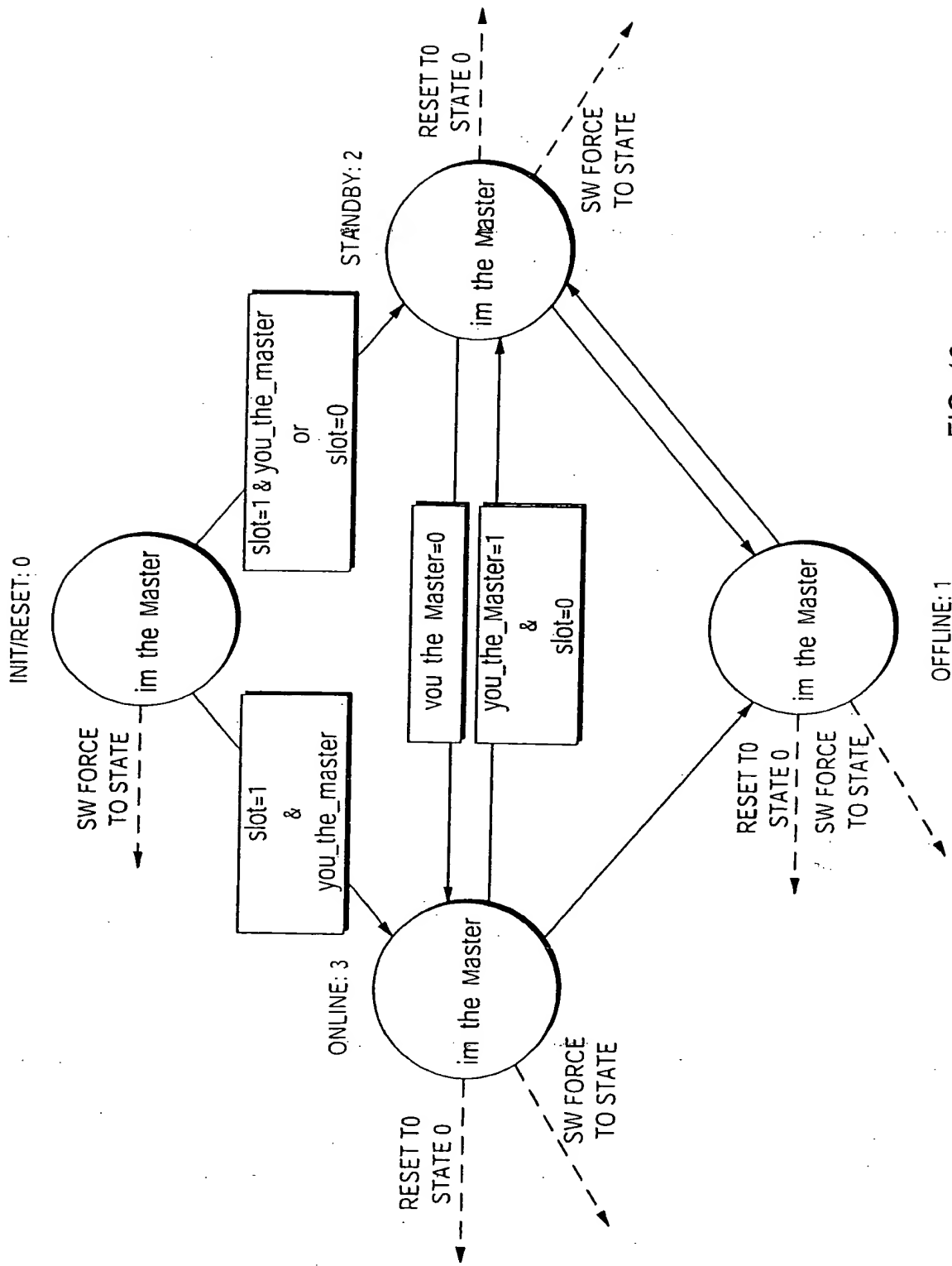


FIG. 46

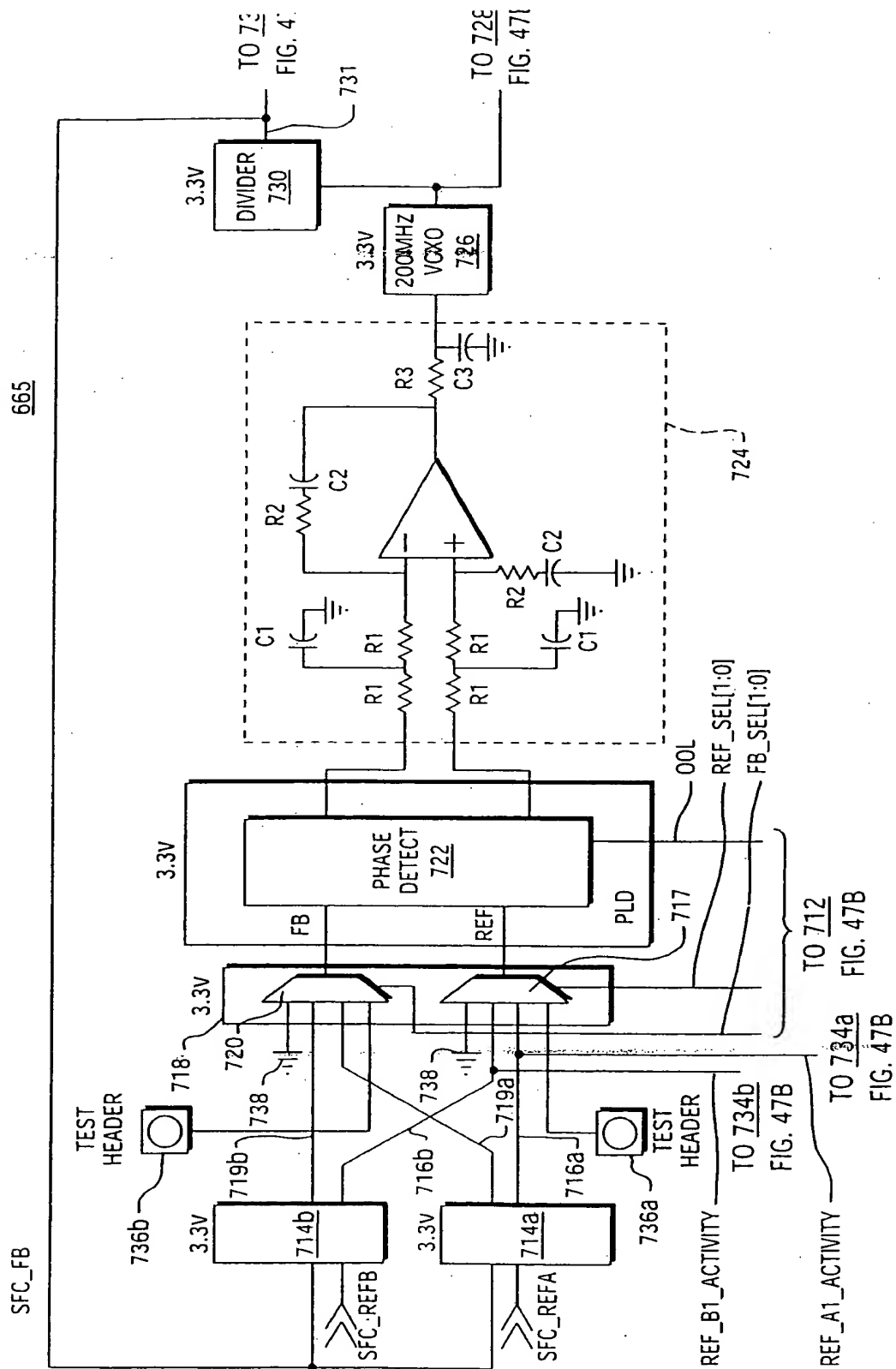


FIG. 47A

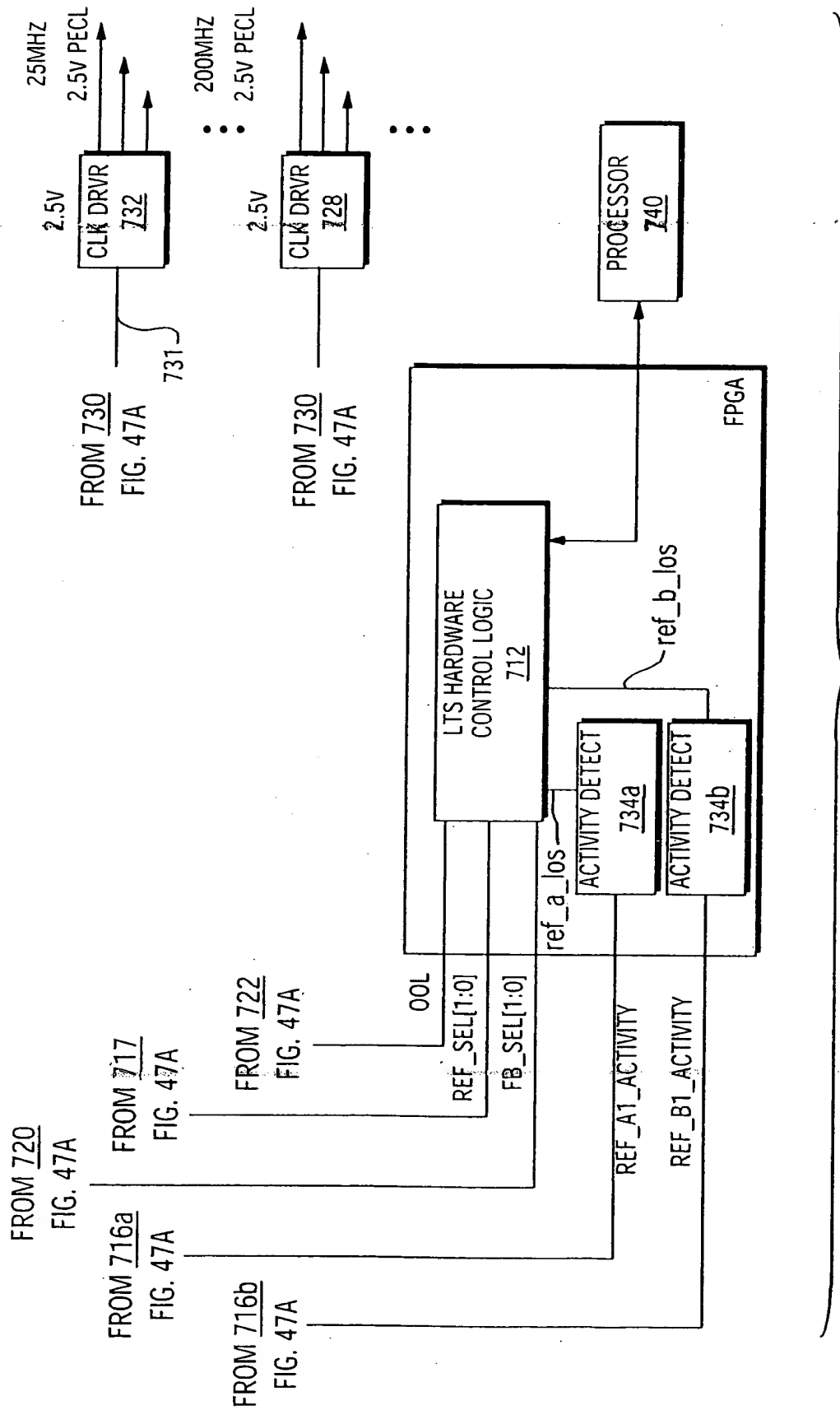


FIG. 47B

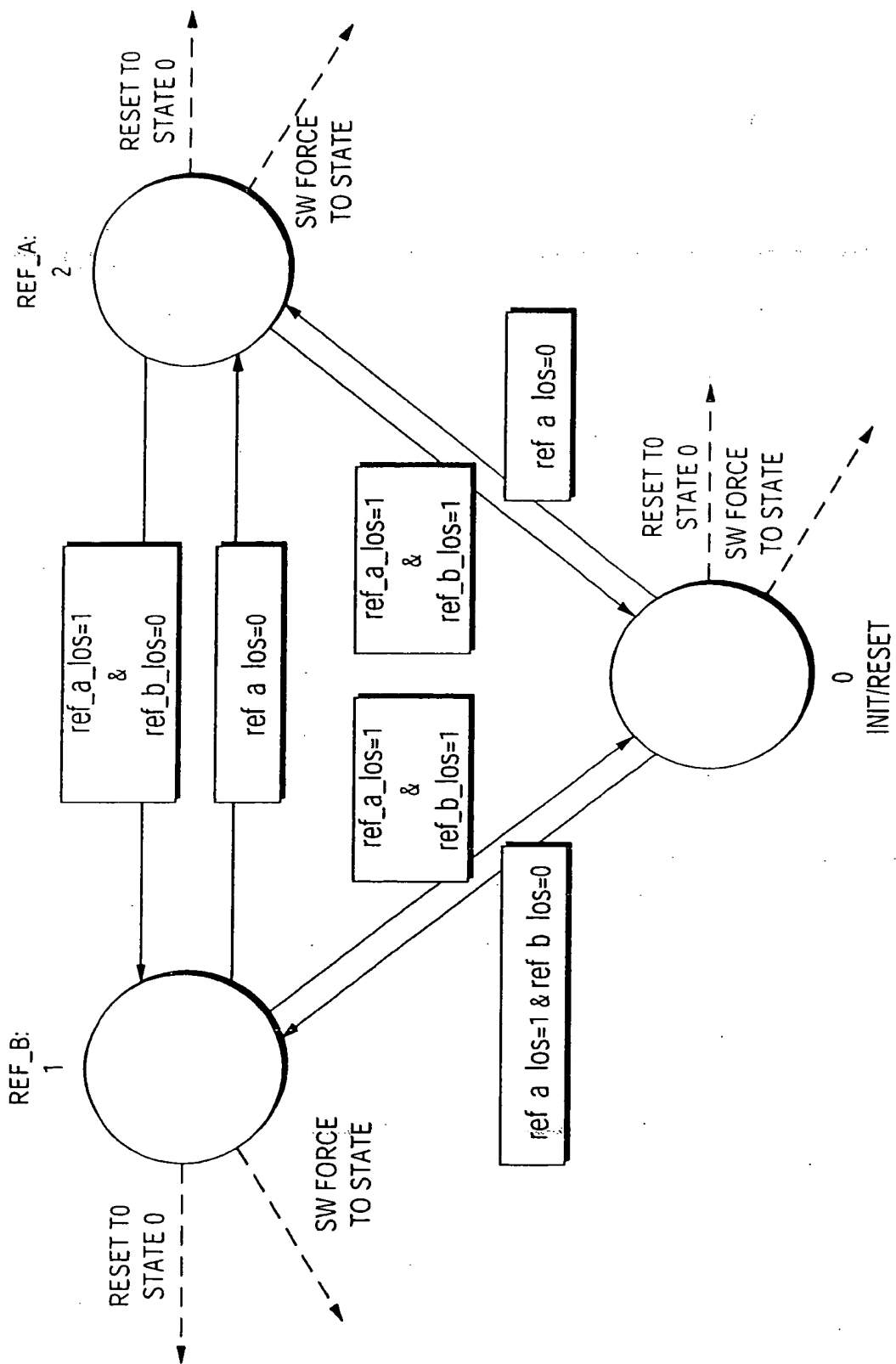


FIG. 48

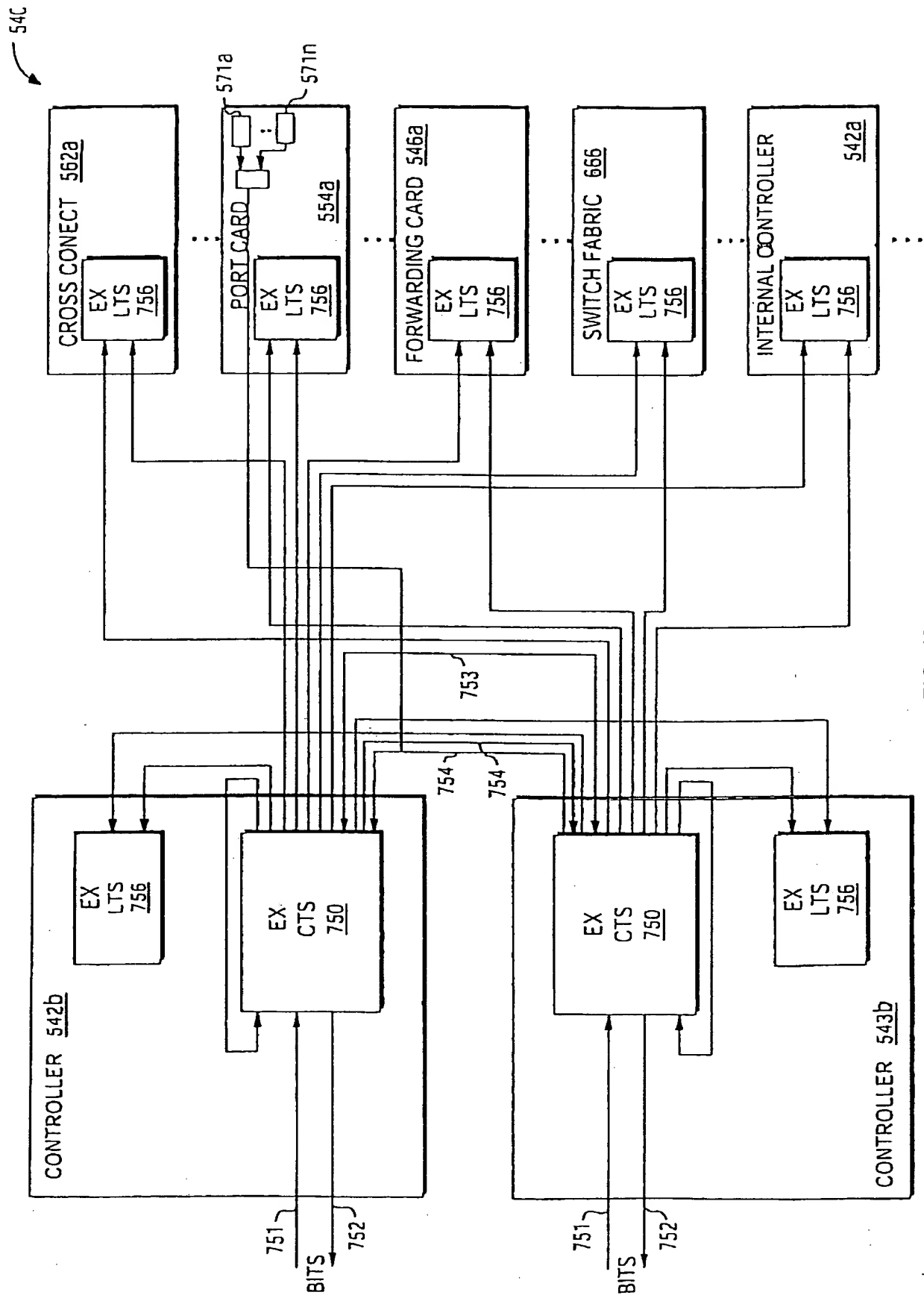


FIG. 49

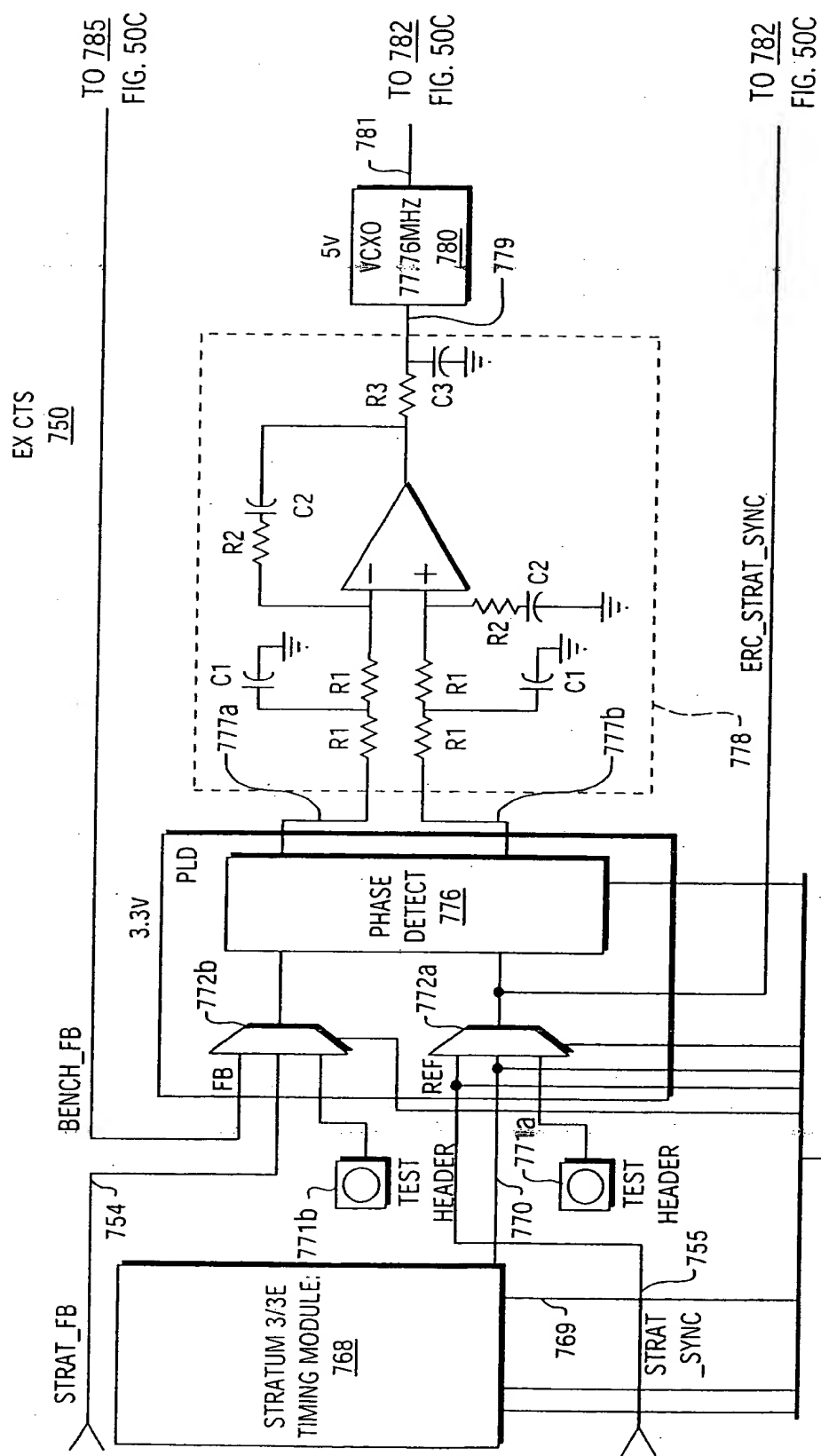


FIG. 50B

FIG. 50A

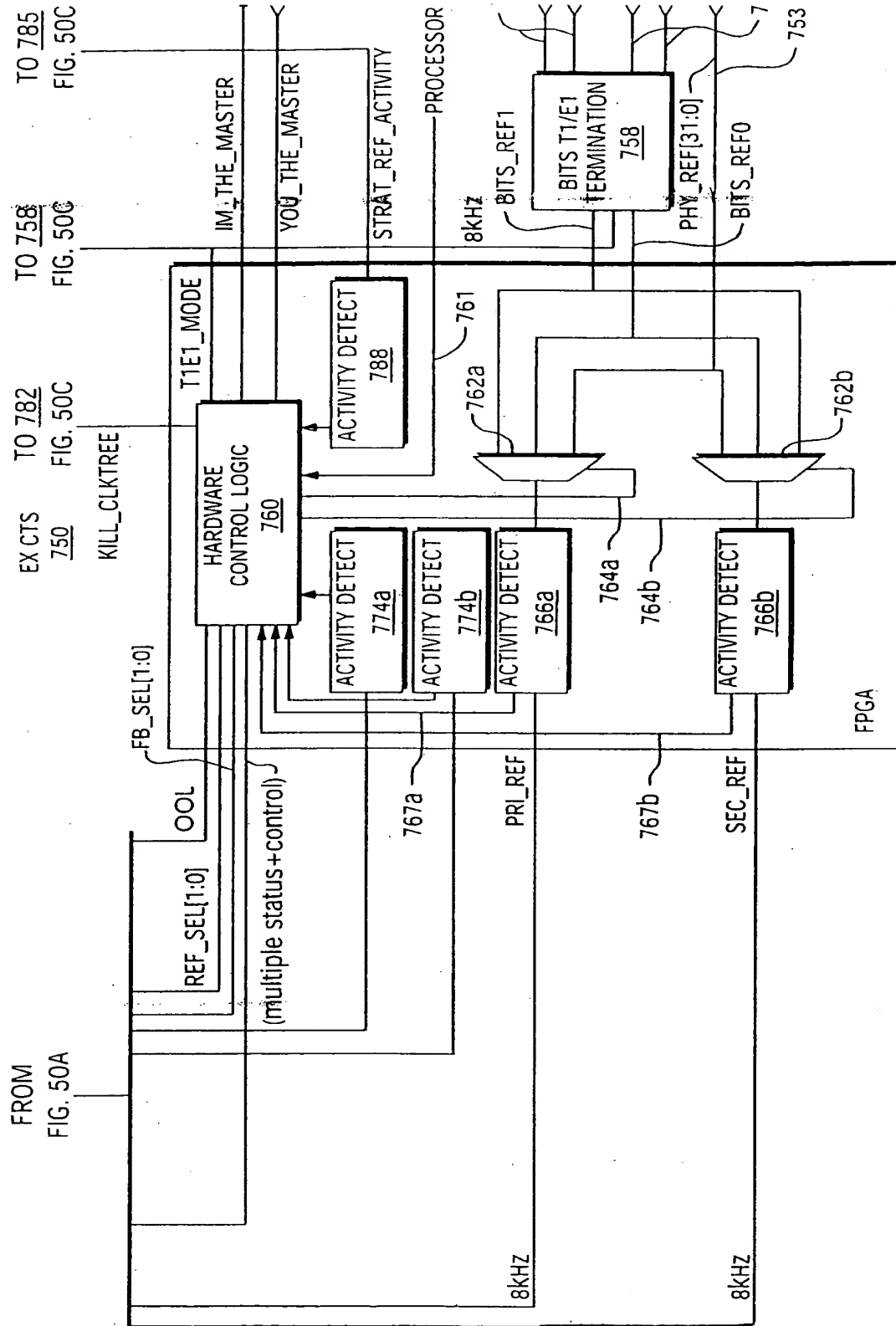


FIG. 50B

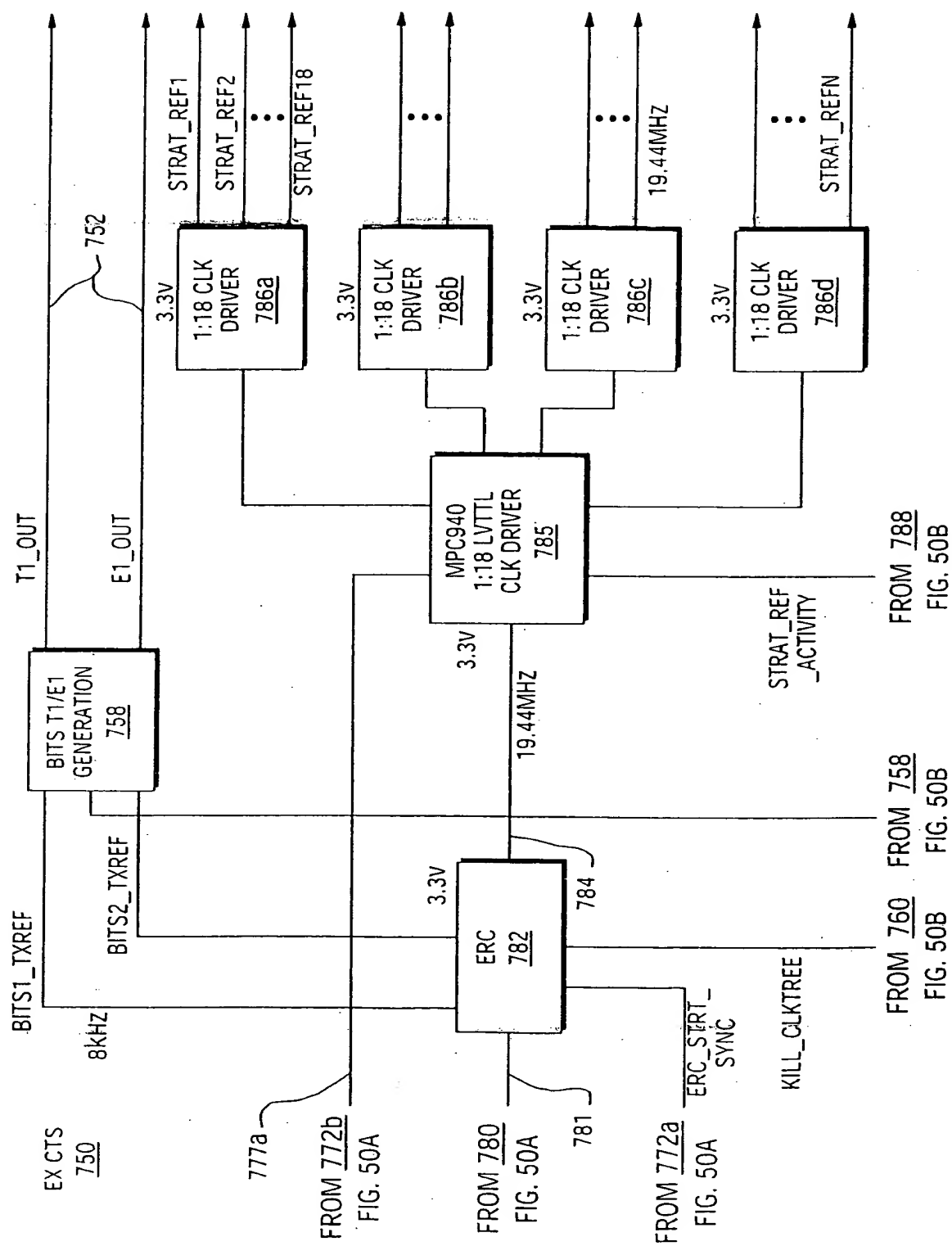


FIG. 50C

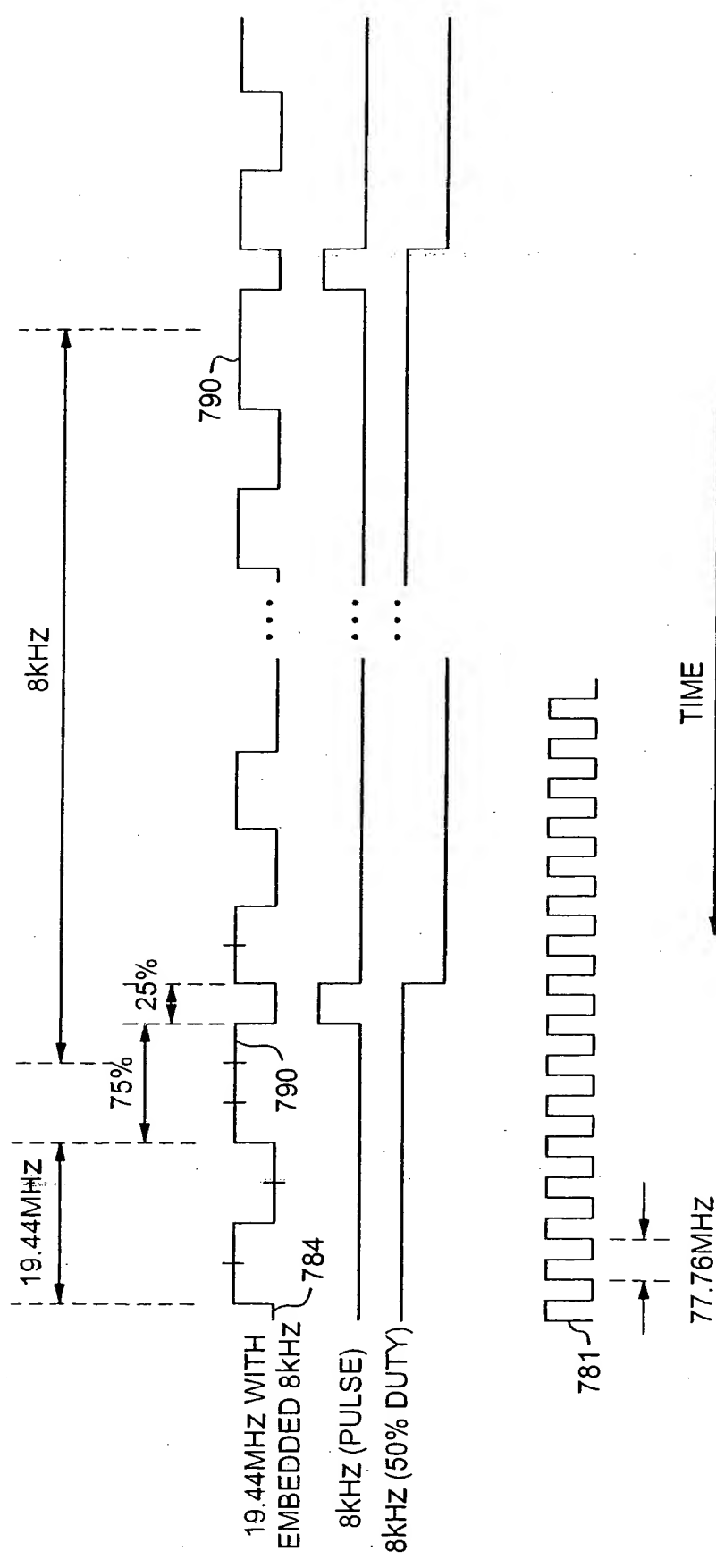


FIG. 51

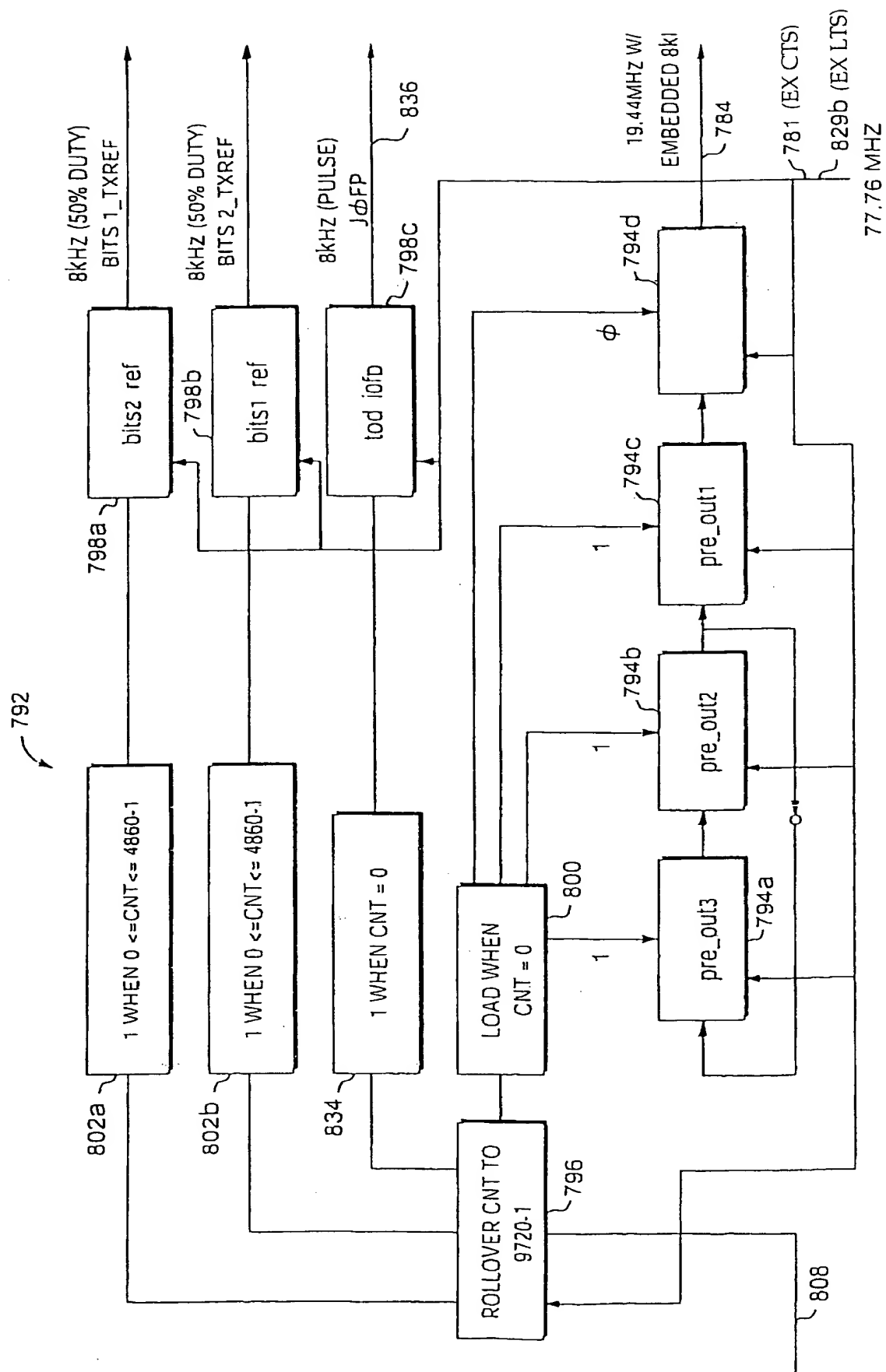


FIG. 52

EXTRACTOR
804

ERC_STRAT_SYNC (EX CTS)
 STRAT_REF_A OR STRAT_REF_B (EX LTS) 832
 19.44MHz WITH ENCLOSED 8kHz
 (MUST BE PULLED LOW WHEN NOT PRESENT)

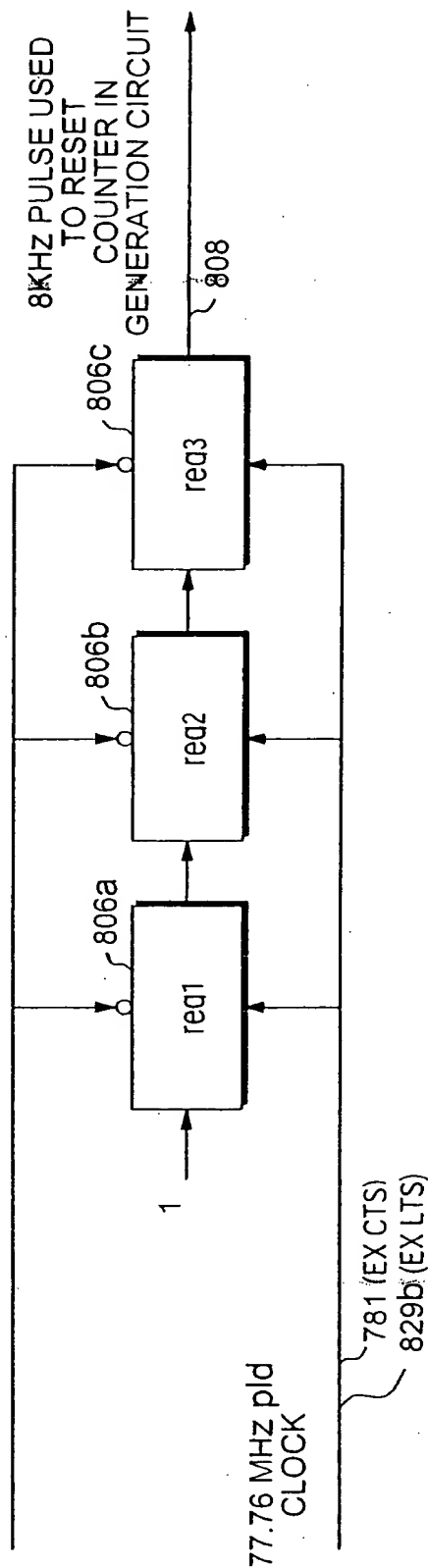


FIG. 53

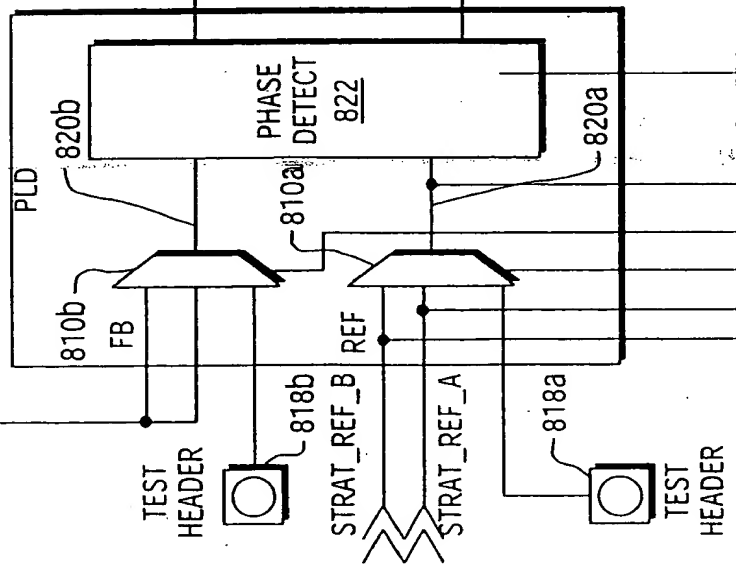
EX LTS
756

TO 7E
FIG. 5,

816

19.44MHZ

3.3V



TO

FIG. 54B

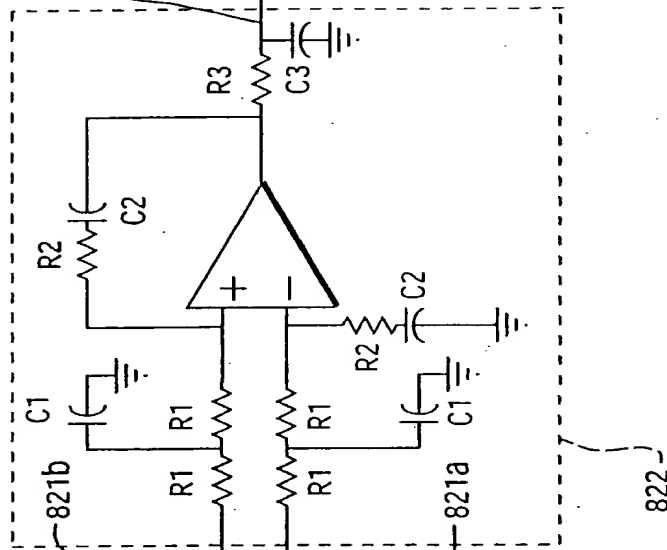


FIG. 54A

TO 8E
FIG. 5,

VCXO 155.52
OR 622MHZ
824
5V
622MHZ
OR 155.52MHZ
825

823

R3

C3

R2

C2

R1

C1

R1

C1

R2

C2

821b

821a

822

810b

820b

810a

820a

818a

818b

820a

820b

820a

820b

820a

820b

820a

820b

820a

820b

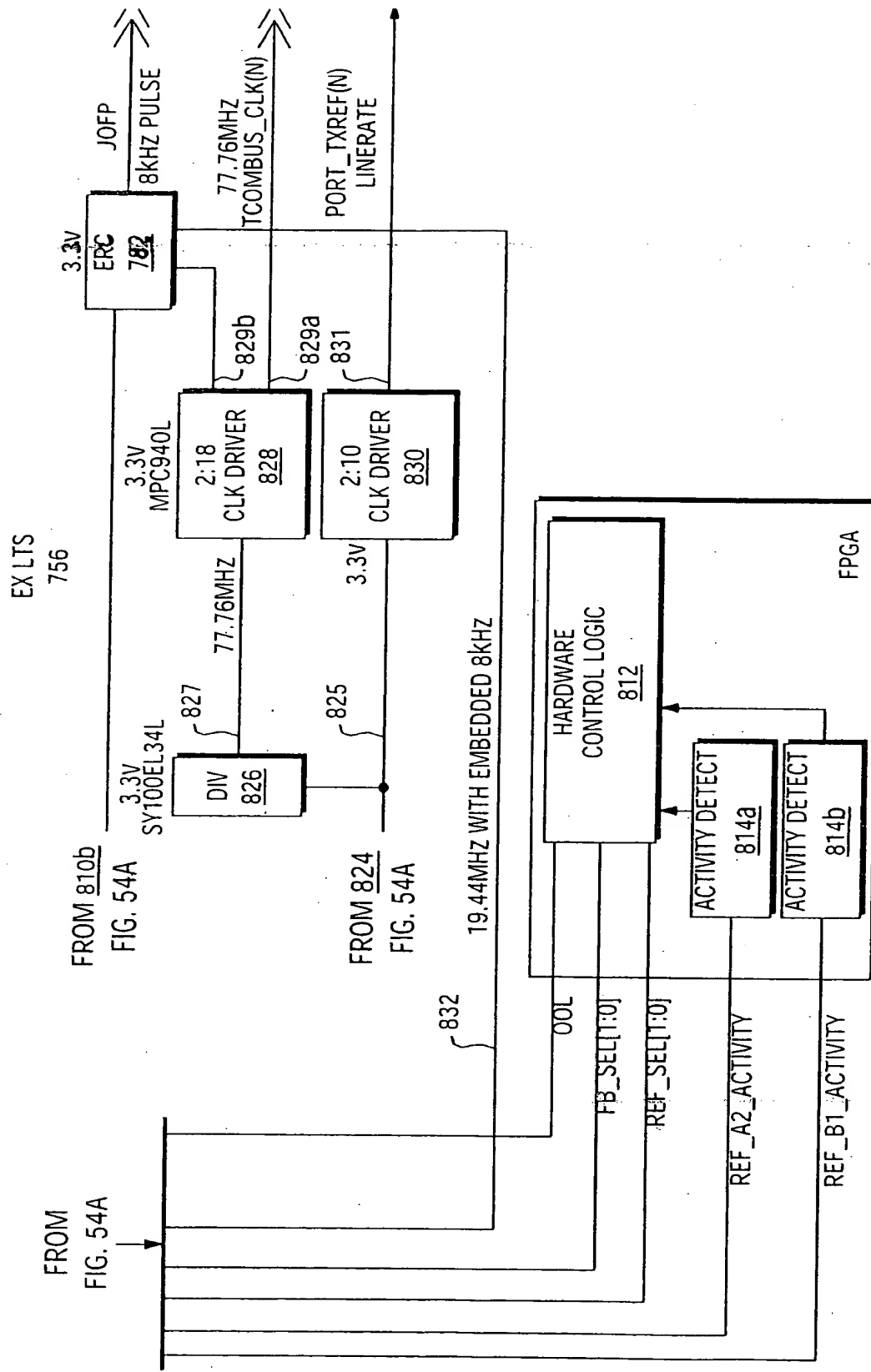


FIG. 54B

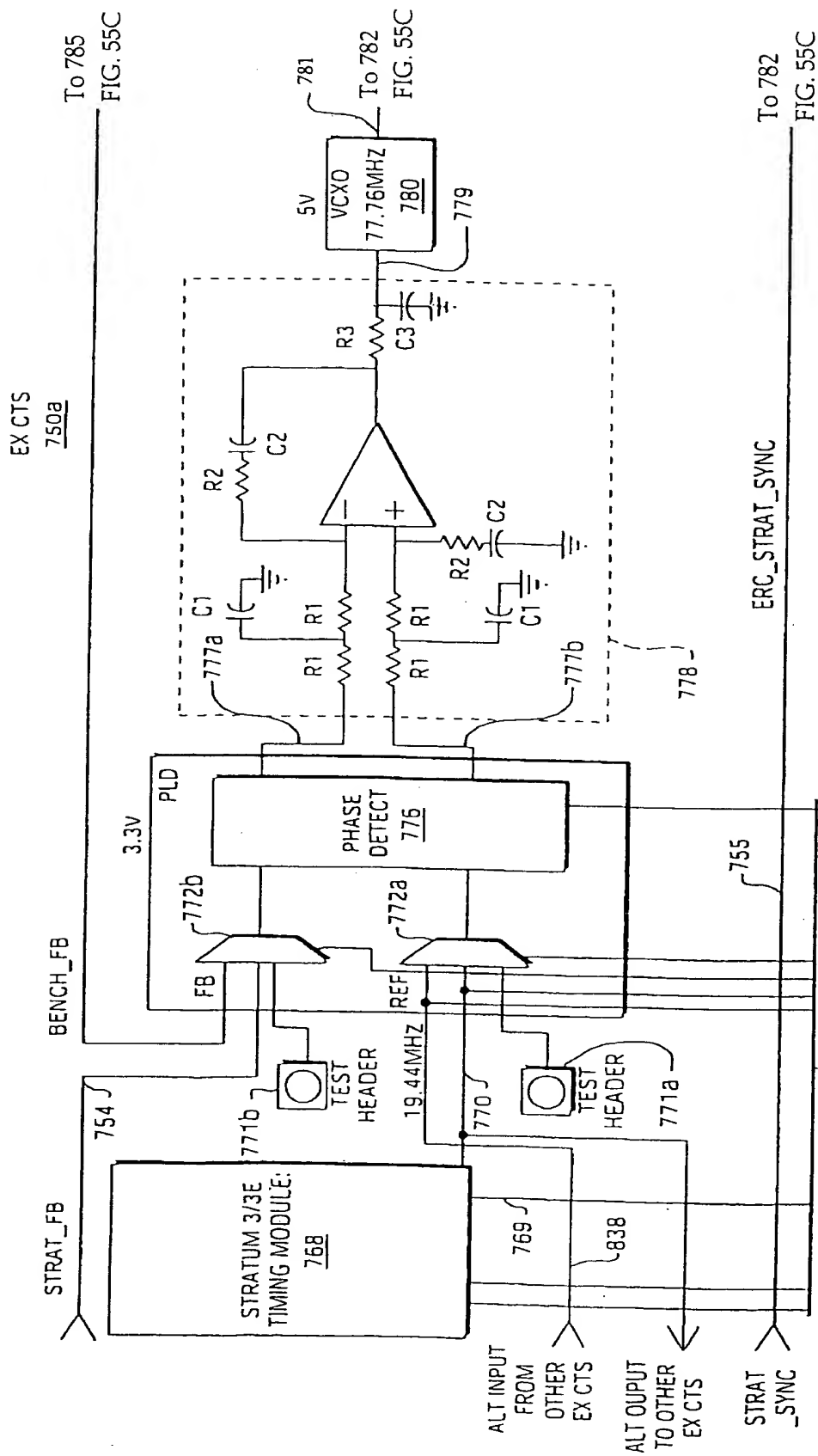


FIG. 55A

EX CTS
750a

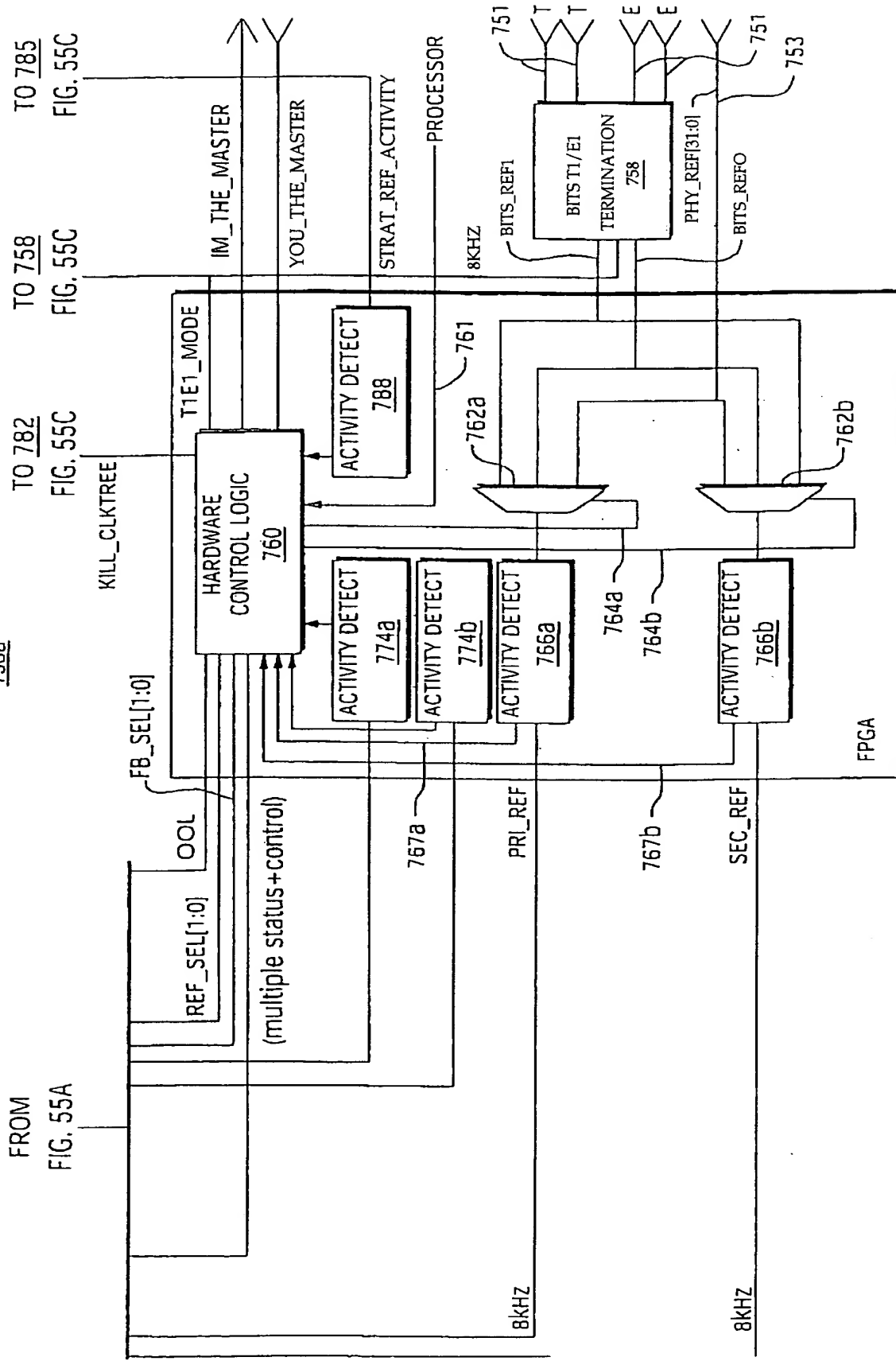


FIG. 55B

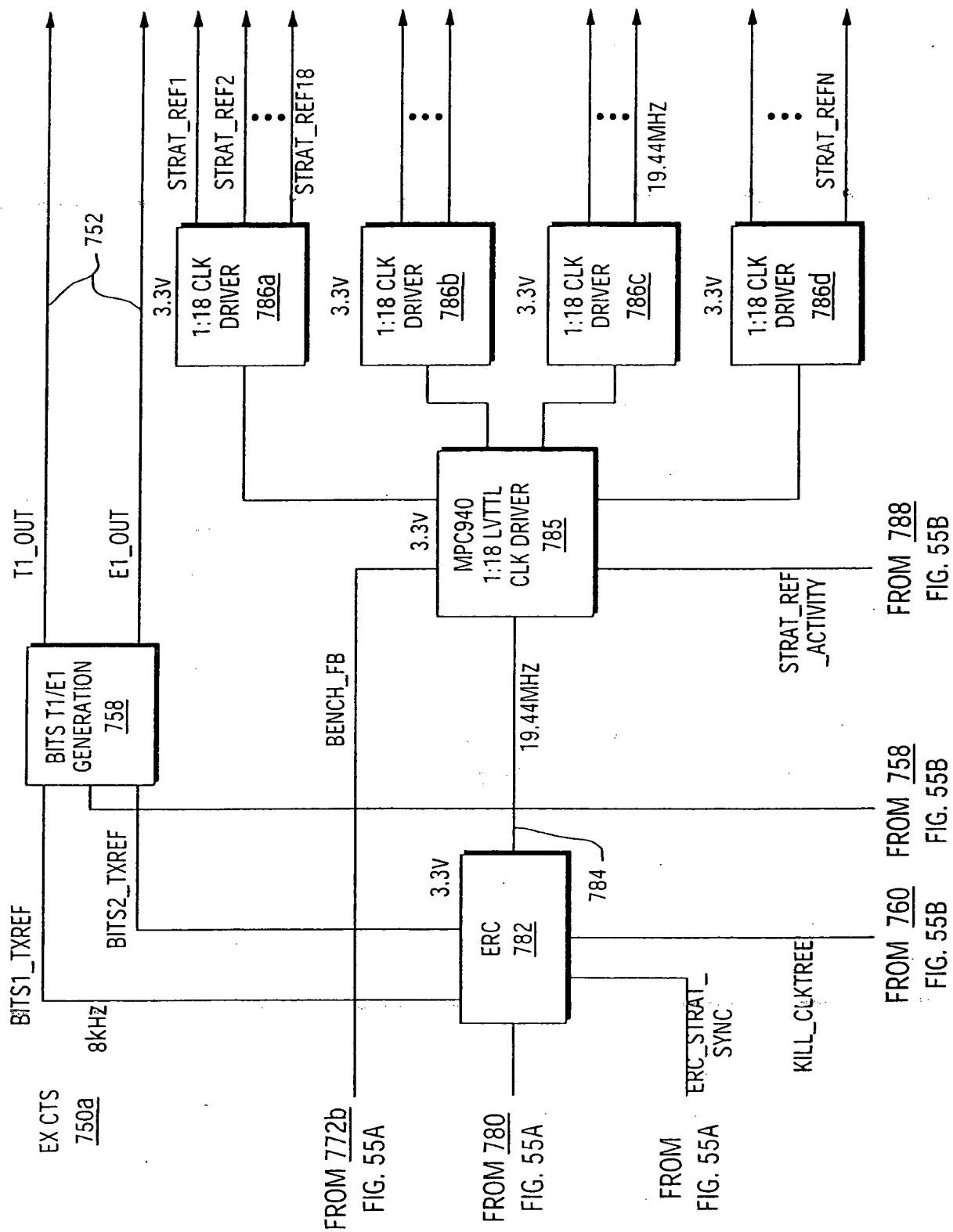


FIG. 55C

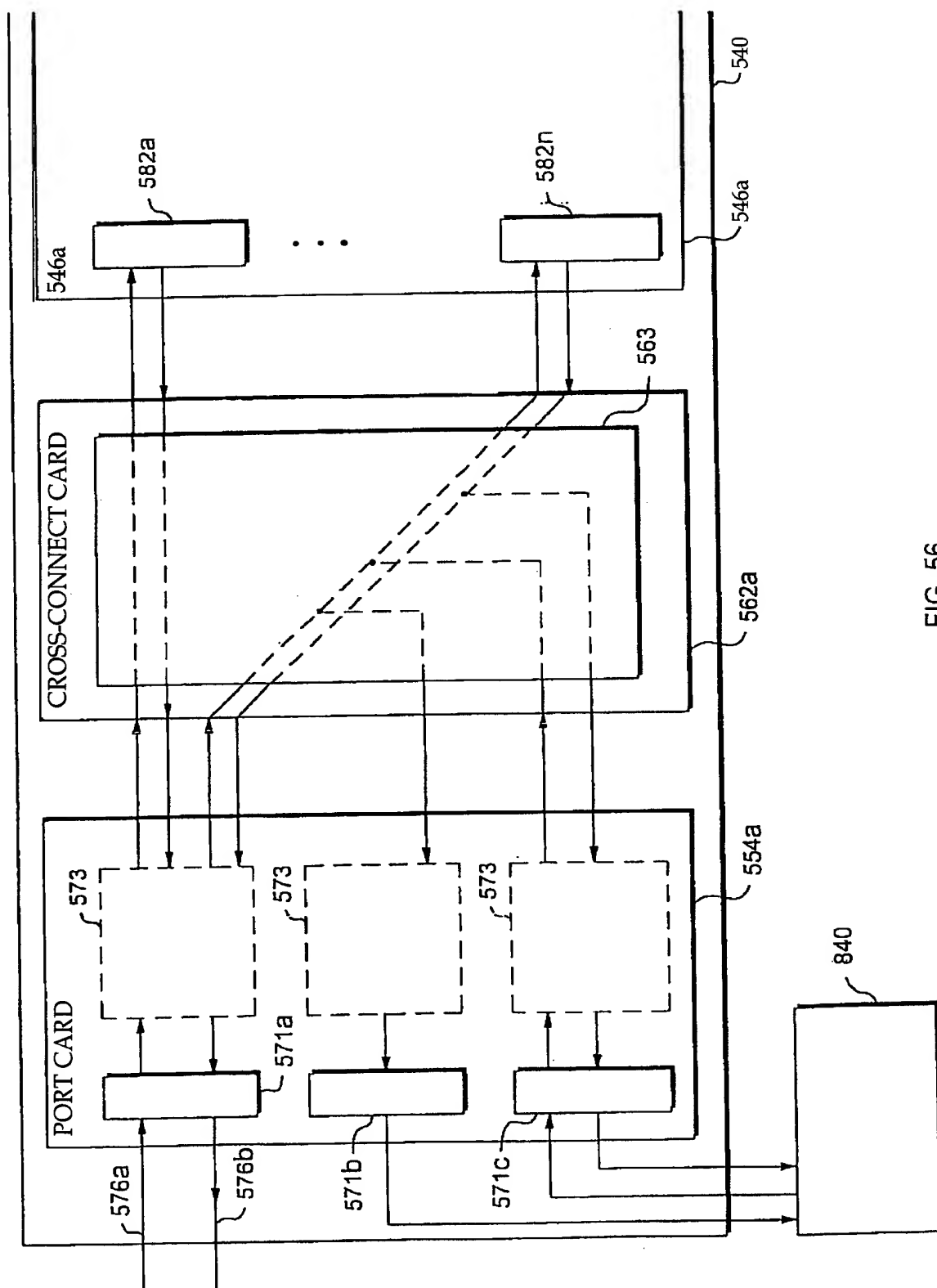


FIG. 56

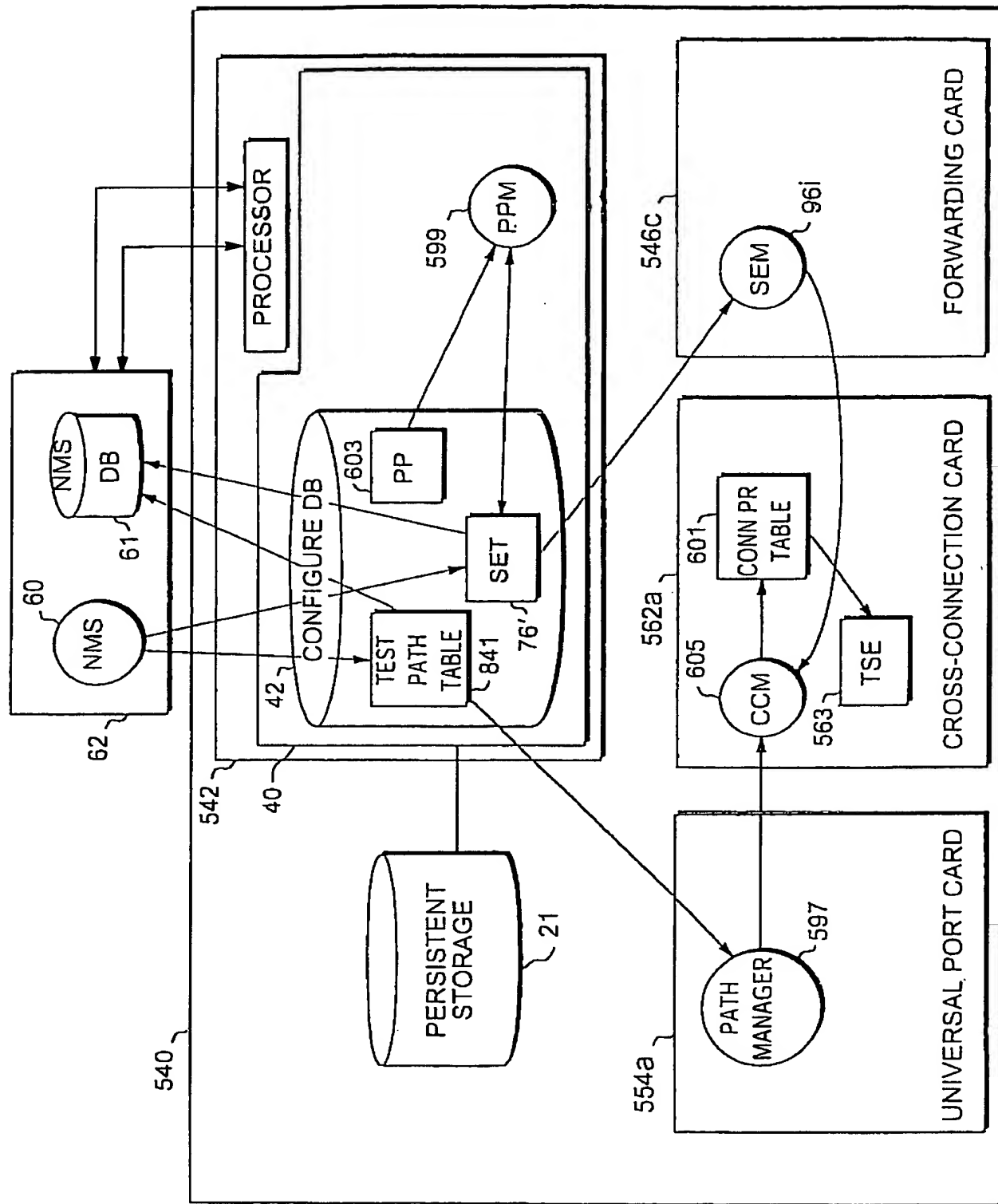


FIG. 57

TEST PATH TABLE 841

842	843	844	PATH LID	UP PORT LID	TIME SLOT	# OF TIME SLOTS	844		845	...
							MONITOR			
							INGRESS			
							EGRESS			
1666	1232	4	3	INGRESS		NO				
1666	1233	4	3	EGRESS		NO				
1666	1233	4	3	INGRESS		YES				
.	
.	
.	

FIG. 58

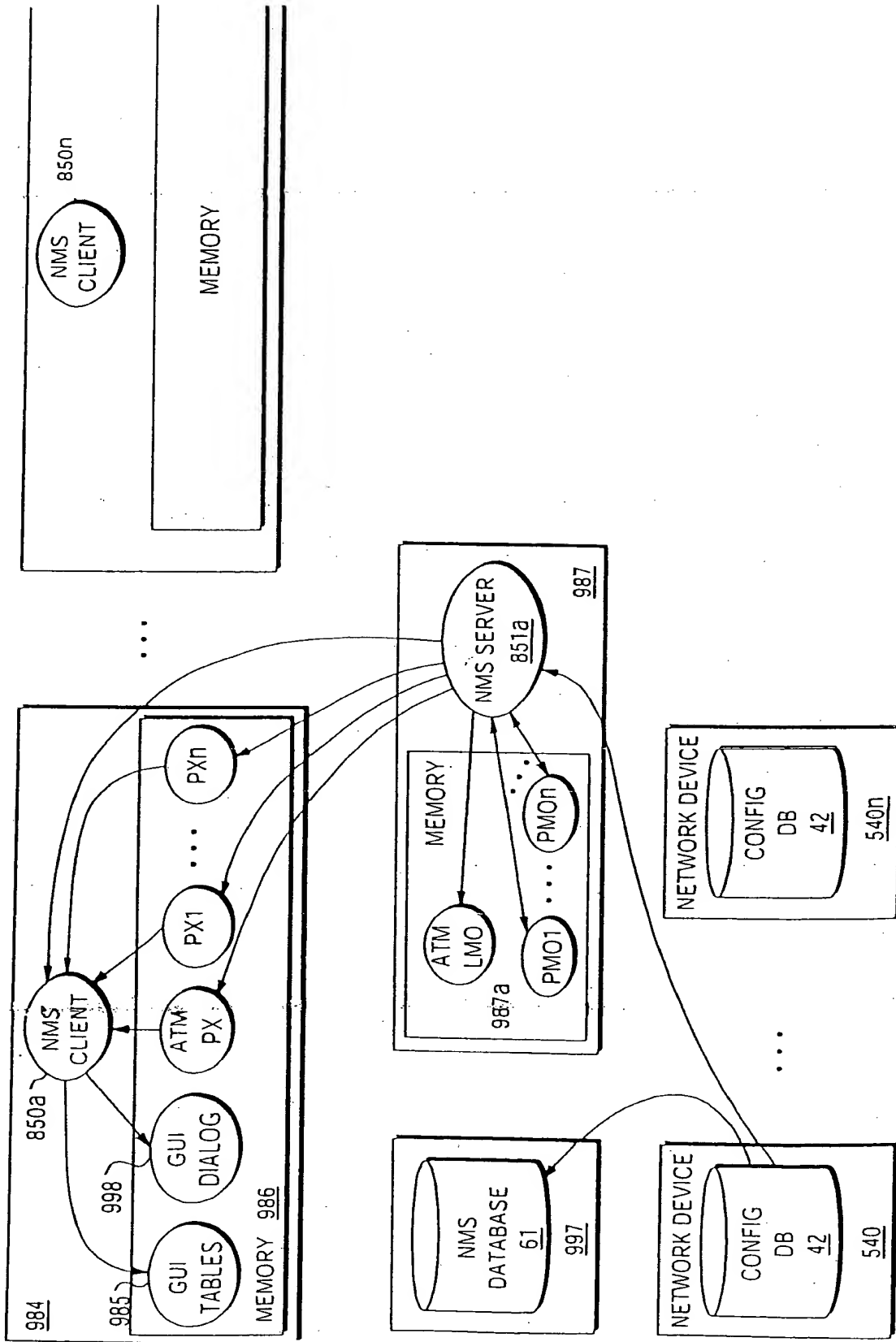


FIG. 59

MANAGED DEVICE TABLE 983

983b	PID	A1	...	An	
	1				983a

FIG 60A

CHASSIS TABLE 988

988b	PID	A1	...	An	MANAGED DEVICE PID	988c
	1				1	988a
	⋮	⋮	⋮	⋮	⋮	

FIG 60B

SHELF TABLE 989

989a	PID	A1	...	An	CHASSIS PID	989b
	3				2	
	4				2	
	⋮	⋮	⋮	⋮	⋮	
	18				2	

FIG 60C

SLOT TABLE 990

990a	PID	A1	...	An	SHELF PID	990b
990c	20				3	
	21				3	
	⋮	⋮	⋮	⋮	⋮	
990d	116				18	

FIG 60D

CARD TABLE 47'

47a	PID	CWD TYPE	VERSION NO.	SLOT PID	...
	120	0XF002	3	20	
	121	0XF002	4	21	
	⋮	⋮	⋮	⋮	⋮
	124	0X6002	1	24	
	⋮	⋮	⋮	⋮	⋮
	131	0XF002	1	31	
	⋮	⋮	⋮	⋮	⋮

FIG 60E

PORT TABLE 49'

49a	PID	PORT TYPE	VERSION NO.	CARD PID	...
	300	00620	1	20	
	301	00620	1	20	
	302	00620	1	20	
	303	00620	1	20	
	304	00820	1	20	
	⋮	⋮	⋮	⋮	⋮
	400	00620	1	39	
	⋮	⋮	⋮	⋮	⋮

FIG 60F

SONET PATH TABLE 600'

600a	600b				...
	PATH LID	PORT LID	TIME SLOT	# OF TIME SLOTS	
	901	304	4	3	
	⋮	⋮	⋮	⋮	⋮

FIG. 60G

SERVICE ENDPOINT TABLE 76''

76a	SE LID	Q #	76c FC PID	76d FC SLICE PID	76e FC TIME SLOT	76b PATH LID	...
	3000					901	

FIG. 60H

ATM IF TABLE 114''

114a	114b			...
	ATM IF LID	ATM GROUP LID	SE LID	
	5054		3000	...
	⋮	⋮	⋮	...

FIG. 60I

VIRTUAL ATM IF TABLE 993

993a	LID	A1	...	An	993b	ATM IF LID
	7489					5054
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮

FIG 60J

VIRTUAL CONNECTION TABLE 994

994a	LID	A1	...	An	994b	VIR. ATM IF LID
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮
	⋮	⋮	⋮	⋮		⋮

FIG 60K

VIRTUAL LINK TABLE 995

995a	LID	A1	...	An	995b	VIR. CONN. LID	995c	CROSS. CONN. LID
	⋮	⋮	⋮	⋮		⋮		⋮
	⋮	⋮	⋮	⋮		⋮		⋮
	⋮	⋮	⋮	⋮		⋮		⋮

FIG 60L

CROSS-CONNECT TABLE 996

996a	LID	A1	...	An	996b	VIR. LINK1 LID	996c	VIR. LINK2 LID
	⋮	⋮	⋮	⋮		⋮		⋮
	⋮	⋮	⋮	⋮		⋮		⋮
	⋮	⋮	⋮	⋮		⋮		⋮

FIG 60M

ATM NODE TABLE 999

999a	LID	A1	...	An	999b	MANAGED DEVICE PID	999c
	5000					1	

FIG 60N

PHYSICAL MANAGED OBJECT 991

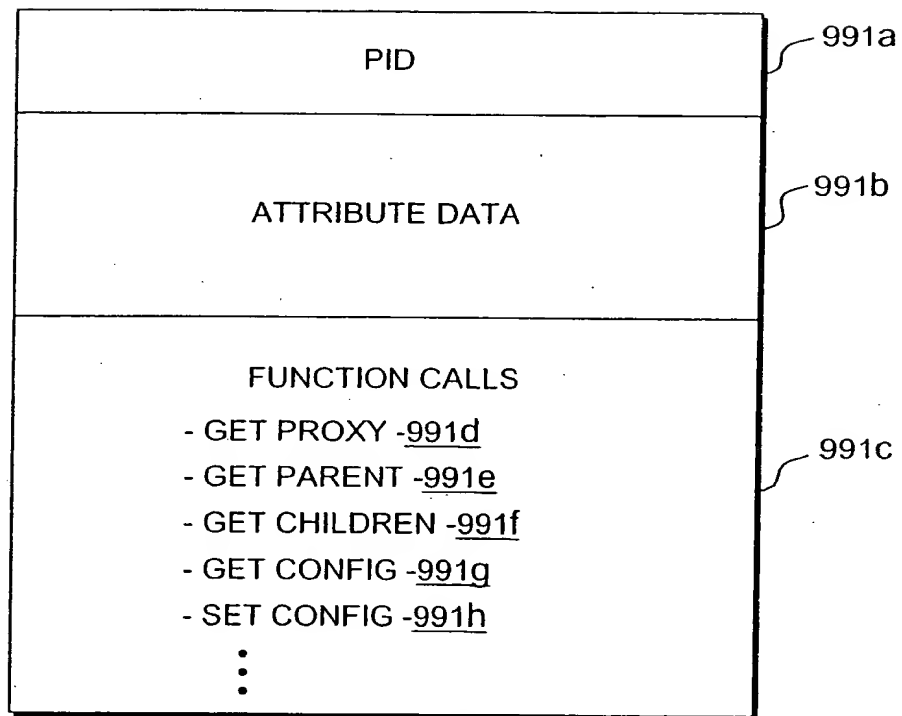


FIG. 61A

PROXY 992

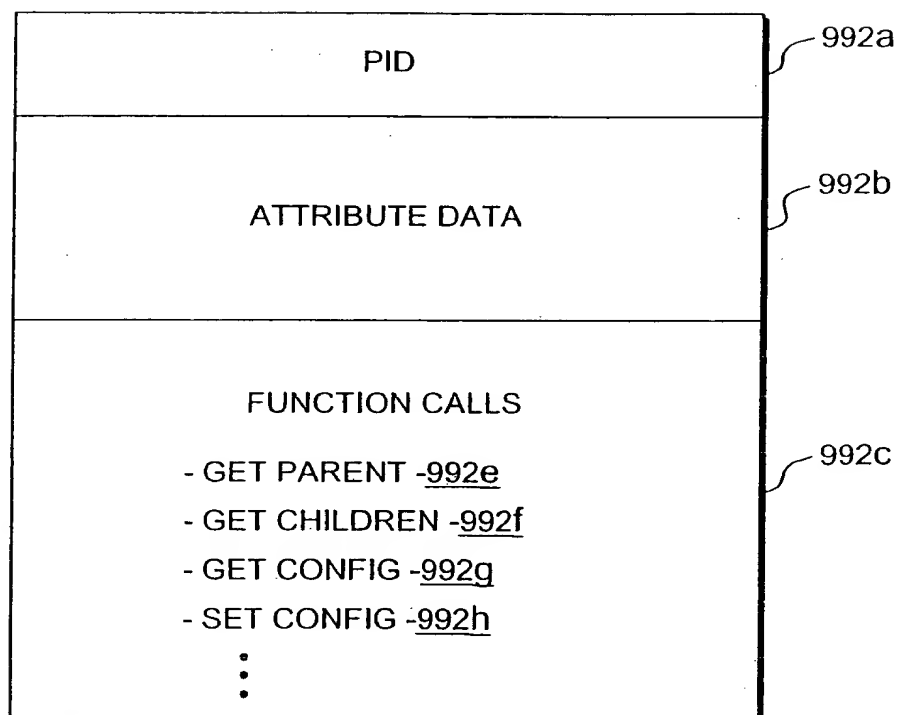


FIG. 61B

997

EvailNet Manager: Modify SONET Path - Shelf 11/Slot4/Port 1

System: 192.168.9.202

SONET Path Parameters

Path Name

Path1_11/4/1

Path Number

1

Path Width

STS-3c

Path Type

Terminated-ATM

Connection Information

Connected SONET Path

Paths...

☒ None

☐ Specific

ATM Interface Name

Modules

OK

Cancel

998b 997a

FIG. 62

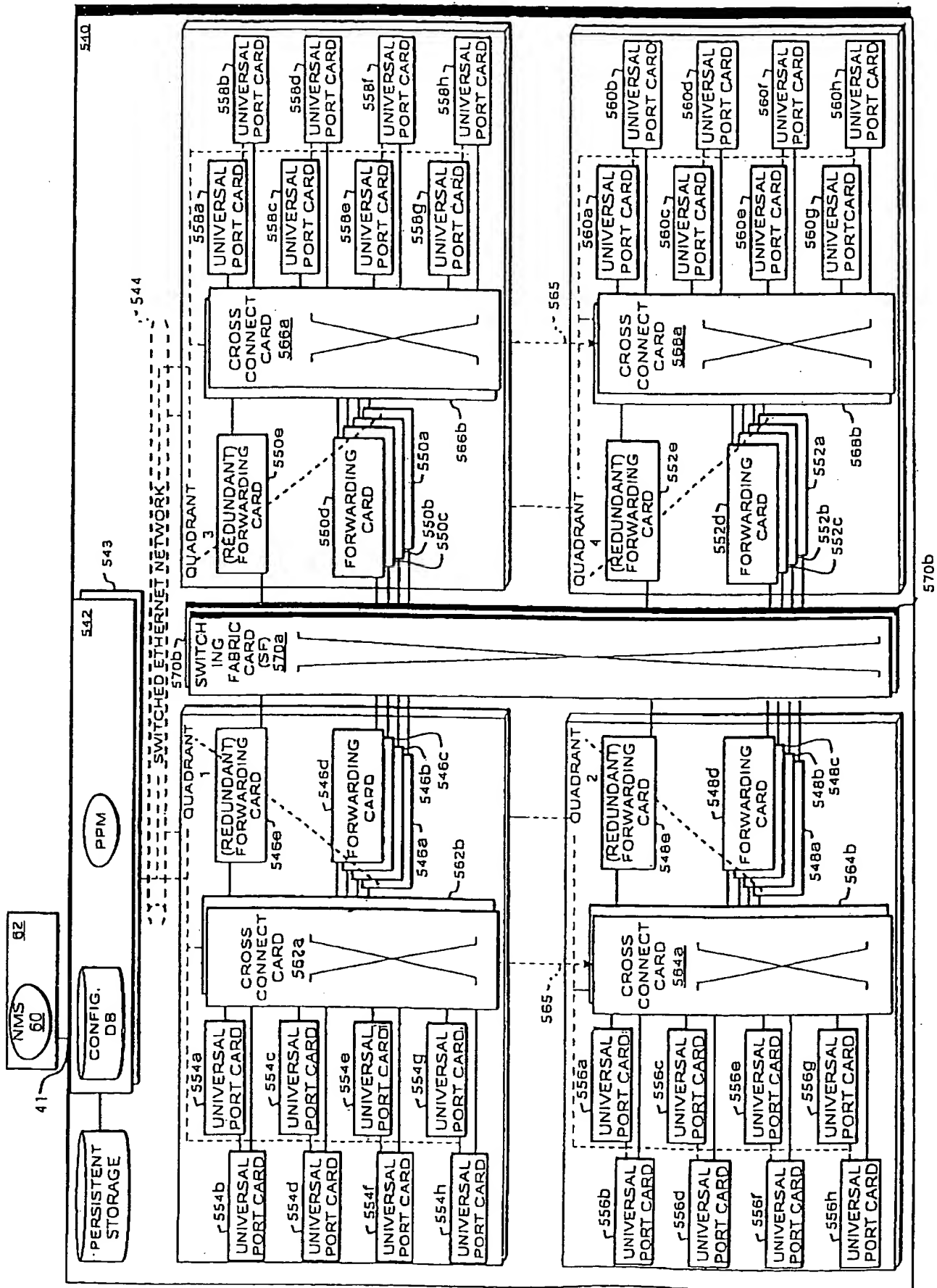


FIG. 63

Administration Managed Device Table

LID	Host Address	Port Address	Retry	Timeout	Admin. Password	Prov. Password	Viewer Password	Physical ID	Physical ID
9046	192.168.9.202	1521			team 1	team 2	team 3		
:	:	:	:	:	:	:	:	:	:
:	:	:	:	:	:	:	:	:	:

FIG. 64

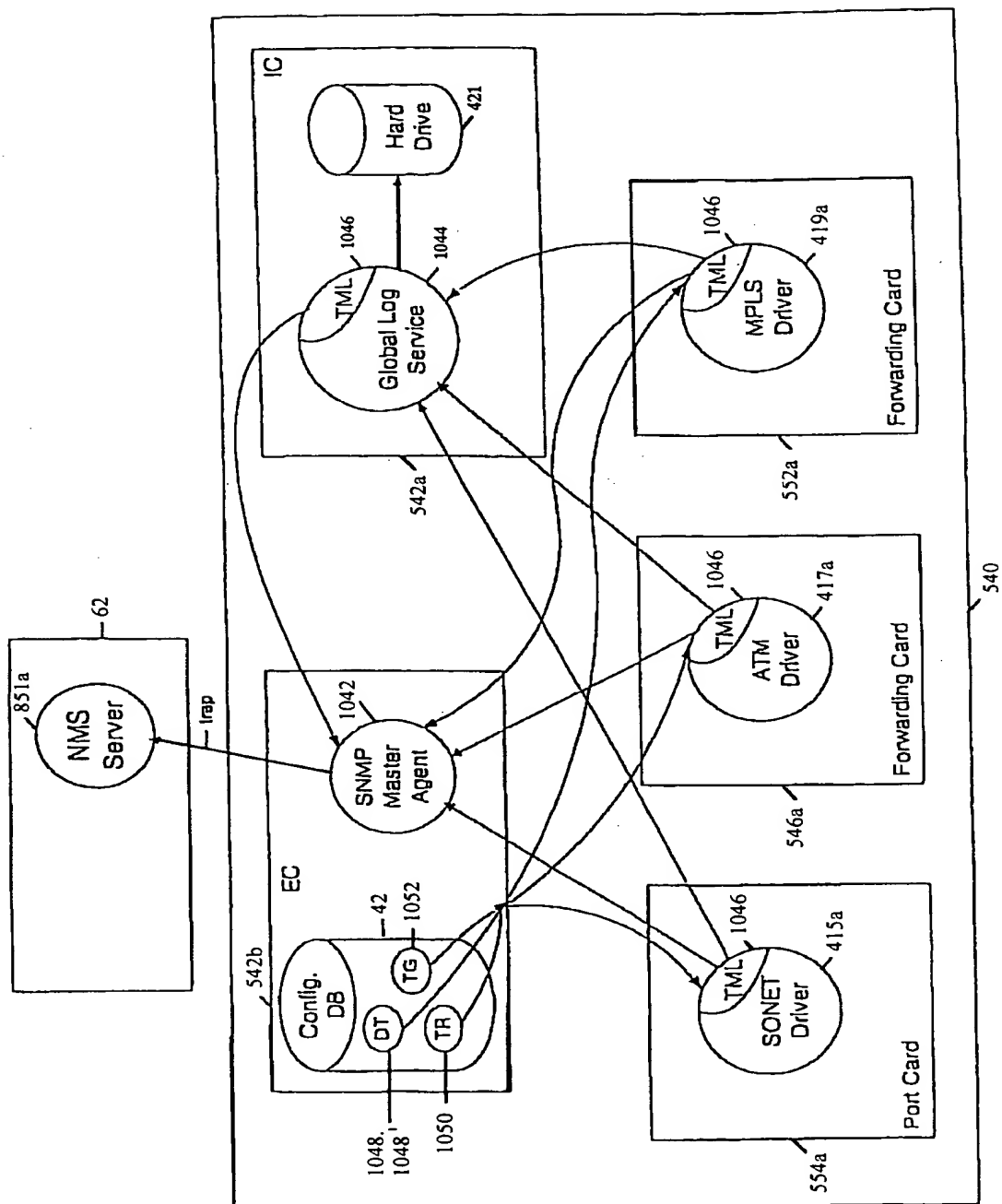


FIG. 65

895

1054

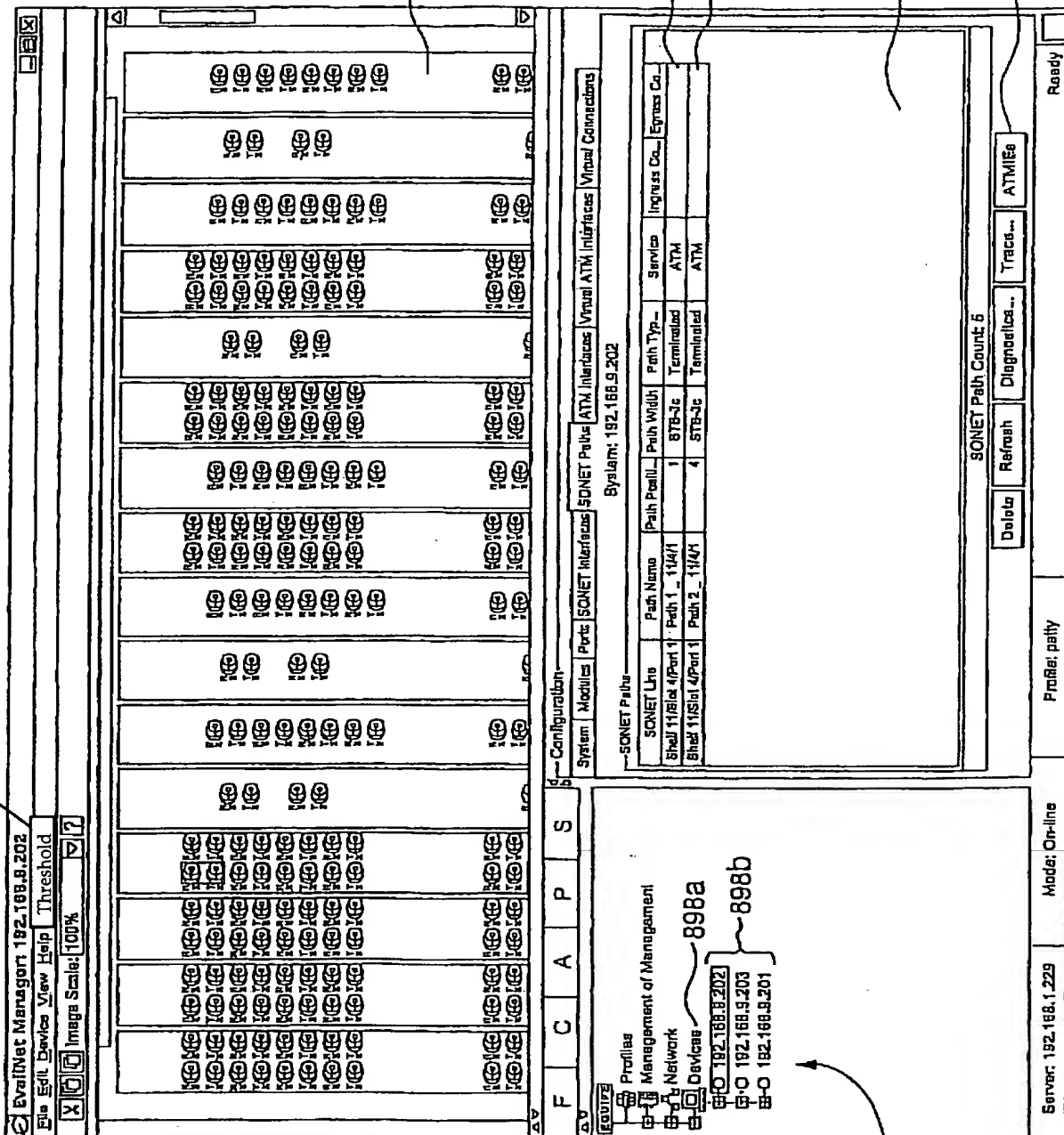


FIG. 66a

898

FIG. 66b

FIG. 66c

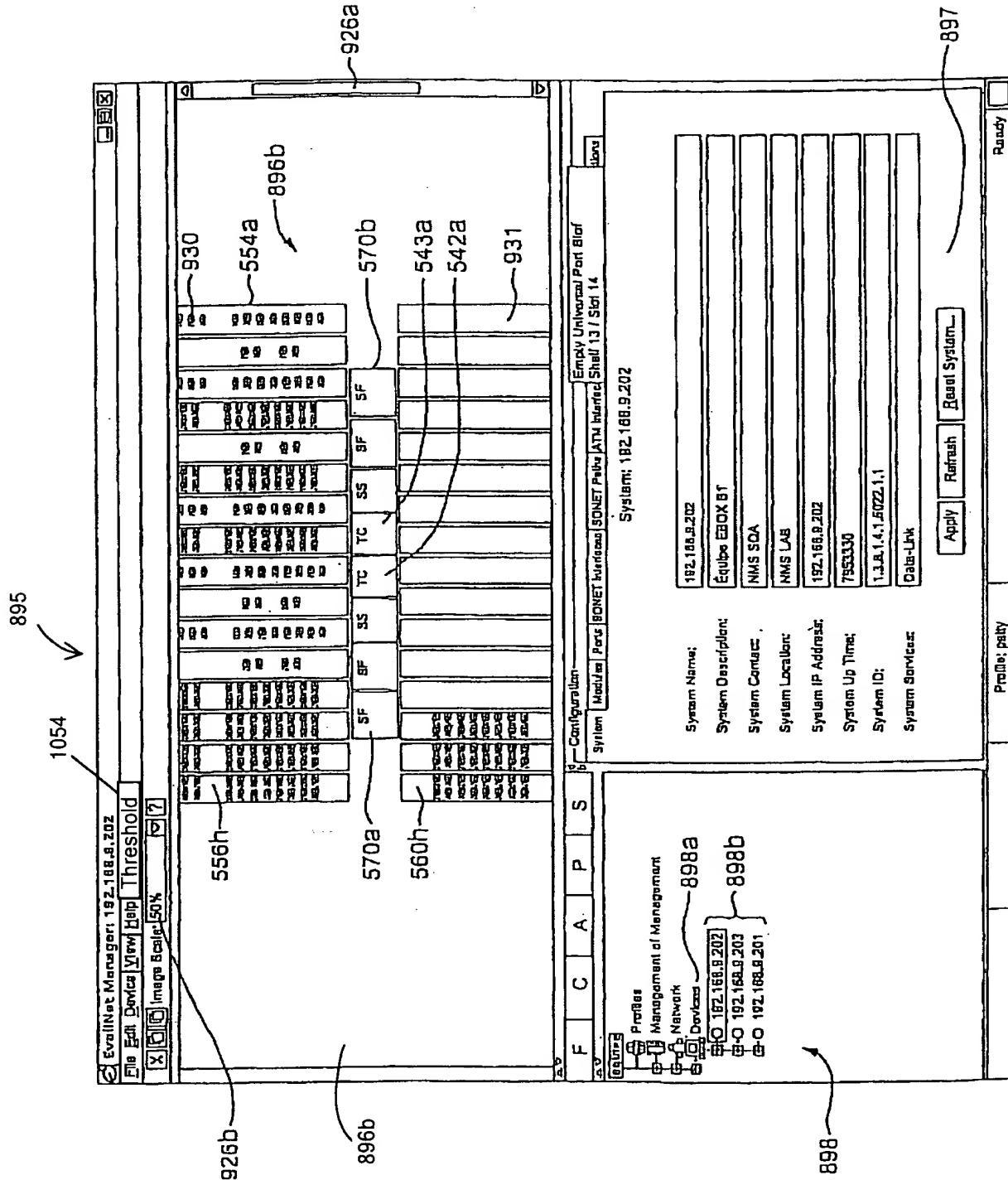


FIG. 66e

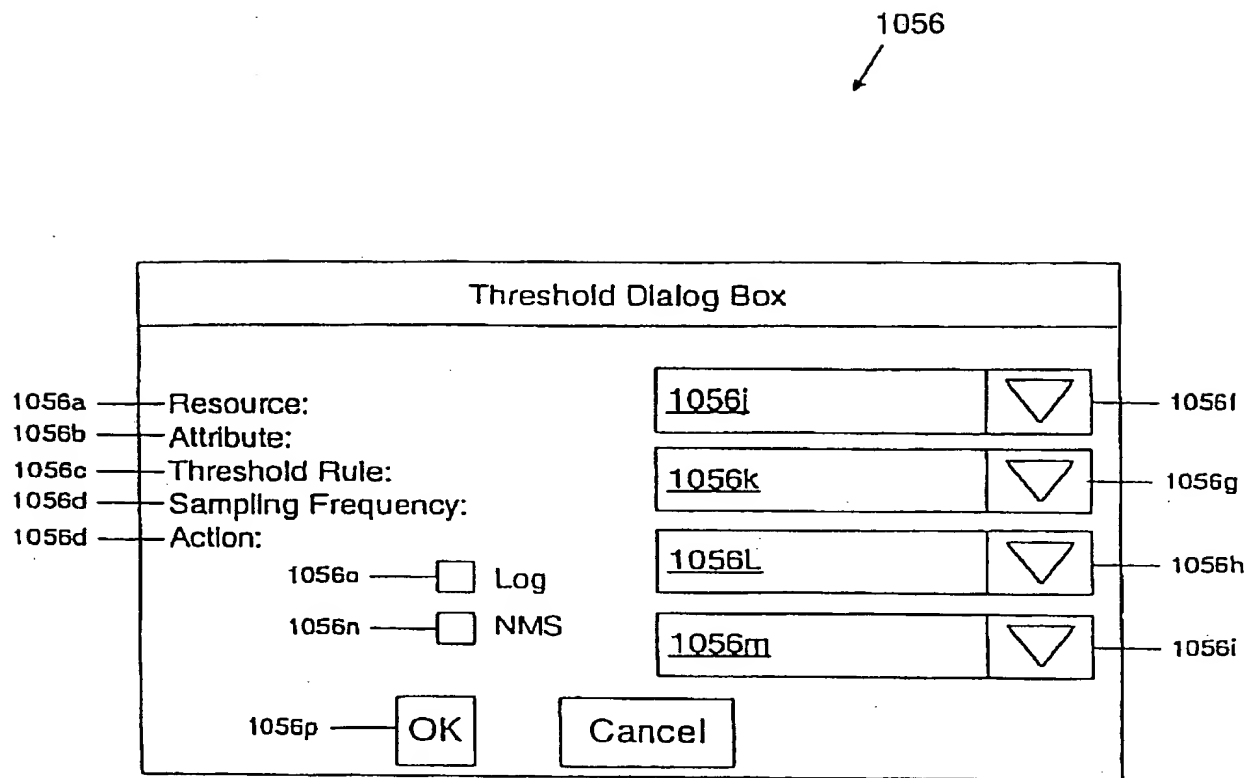


FIG. 67

Dynamic Threshold Table

1048

	1048a Resource ID	1048c Attribute	1048d Sampling Freq.	1048e Action	1048f Rule
1048g	901	Unavailable Seconds (Path end)	15 min	Log	If attribute > 10
	901	Path Errors (path end)	15 min	trap	if attribute <5 or >10
	901	Path Errors (path end)	5 min	Log & trap	if attribute <5 or >10
	⋮	⋮	⋮	⋮	⋮
	5054	failed call attempts	10 min	trap	if attribute >8 between 8:00am-7:00pm or >2 between 7:00pm-8:00am
1048h	5054	hcs errors	12 min	trap	if attribute >13
	⋮	⋮	⋮	⋮	⋮
	7312	Rx Traffic	1 hour	trap	if attribute <4
	7312	Tx Traffic	1 hour	trap	if attribute =0
	⋮	⋮	⋮	⋮	⋮

FIG. 68

1048' ↙

Dynamic Threshold Table

1048a' Thr. Group LID	1048b' Resource	1048c' Attribute	1048d' Sampling Freq.	1048e' Action	1048f' Rule
		Unavailable Seconds (Path end)			
8312	SONET Path	Path Errors (Path end)	15 min	Log	if attribute > 10
8312	SONET Path	Path Errors (Path end)	15 min	trap	if attribute <5 or >10
8312	SONET Path	Path Errors (far end)	5 min	Log & trap	if attribute <5 or >10
⋮	⋮	⋮	⋮	⋮	⋮
	ATM If	failed call attempts			if attribute >8 between 8:00am-7:00pm or >2 between 7:00pm-8:00am
8433	ATM If	hcs errors	10 min	trap	
⋮	⋮	⋮	⋮	⋮	⋮
8433	ATM If	hcs errors	12 min	trap	if attribute >13
⋮	⋮	⋮	⋮	⋮	⋮
8542	Virtual Conn.	Rx Traffic	1 hour	trap	if attribute <4
8542	Virtual Conn.	Tx Traffic	1 hour	trap	if attribute =0
⋮	⋮	⋮	⋮	⋮	⋮

FIG. 69a

Threshold Group Table

1052a

1052

1052b

Resource ID	Threshold Group LID
901	8312
902	8313
903	8312
⋮	⋮
5054	8433
⋮	⋮
7312	8542

FIG. 69b

1048f

Dynamic Threshold Table

1048a ^{II} Thr. Group LID	1048b ^{II} Resource	1048c ^{II} Attribute	1048d ^{II} Sampling Freq.	1048e ^{II} Action	1048f ^{II} Rule Lid	1048g ^{II} Variable a	1048h ^{II} Variable b	1048i ^{II} Variable c	1048j ^{II} Variable d	1048k ^{II} Variable e	1048l ^{II} Variable f	1048m ^{II} Variable g	1048n ^{II} Variable h
		Unavailable											
8312	SONET Path	Seconds (Path end)	15 min	Log	9421	10							
8312	SONET Path	Path Errors (Path end)	15 min	trap	9422	5	10						
8312	SONET Path	Path Errors (far end)	5 min	Log & trap	9422	5	10						
8433	ATM if	failed call attempts	10 min	trap	9423	8	8:00am	7:00pm	2	7:00pm	8:00am		
8433	ATM if	hcs errors	12 min	trap	9421	13							
8542	Virtual Conn.	Rx Traffic	1 hour	trap	9424	4							
8542	Virtual Conn.	Tx Traffic	1 hour	trap	9425								

FIG. 70a

1050

Threshold Rule Table

1050a	Rule LID	Expression	1050b
1050c	9421	if attribute >a	
	9422	if attribute <a or >b	
	9423	if attribute > a between b-c or >d between e-f	
	9424	if attribute <a	
	9425	if attribute =0	
	9426	RMON	
	9427	FOE	
	9428	if attribute <a go to rule LID b	
	⋮	⋮	

FIG. 70b

1048^a

Dynamic Threshold Table

Thr. Group LID	1048a ^a	1048b ^a	1048c ^a	1048d ^a	1048e ^a	1048f ^a	1048g ^a	1048h ^a	1048i ^a	1048j ^a	1048k ^a	1048l ^a	1048m ^a	1048n ^a	1048w ^a
	Resource	Attribute	Sampling Freq.	Action	Rule LID	Variable a	Variable b	Variable c	Variable d	Variable e	Variable f	Variable g	Variable h	Variable i	Active/Inactive
8312	SONET Path	Unavailable	15 min	Log	9421	10									
8312	SONET Path	Seconds (Path end)	15 min	Log	9421	10									
8312	SONET Path	Path Errors	15 min	trap	9422	5	10								
8312	SONET Path	Path Errors	5 min	Log & trap	9422	5	10								
8433	ATM II	Path Errors (far end)	10 min	trap	9423	8	8:00am	7:00pm	2	7:00pm	8:00am				
8433	ATM II	failed call attempts	12 min	trap	9421	13									
8542	Virtual Conn.	Rx Traffic	1 hour	trap	9424	4									
8542	Virtual Conn.	Tx Traffic	1 hour	trap	9425										
8588	Hard Drive	Unused disk space	5 min	Log	9428	80	9424								Active
8588	Hard Drive	Unused disk space	30 sec	trap	9424	20									Inactive

FIG. 71

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